

FIG. 1
PRIOR ART

2007/00000000000000000000000000000000

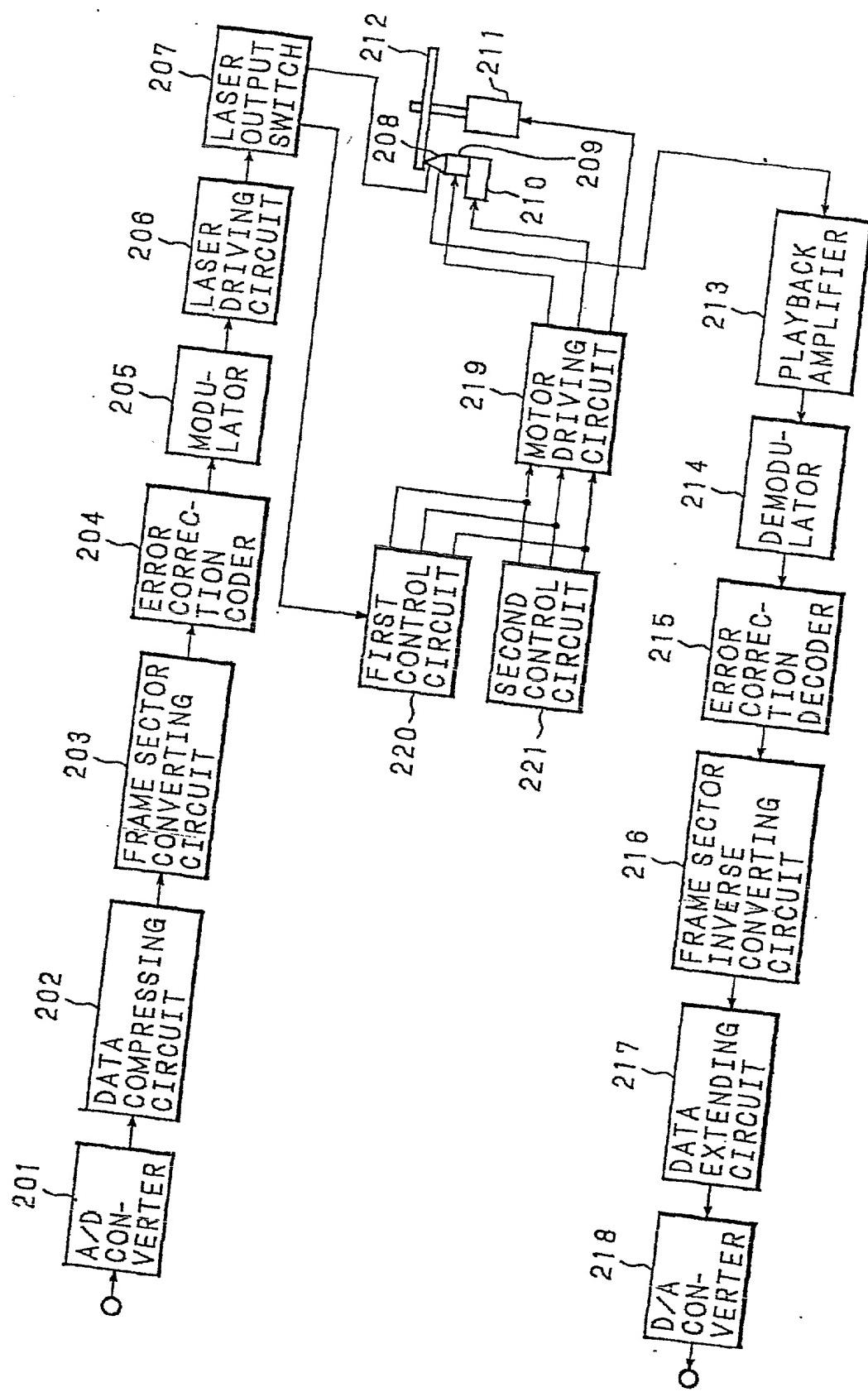


FIG. 2
PRIOR ART

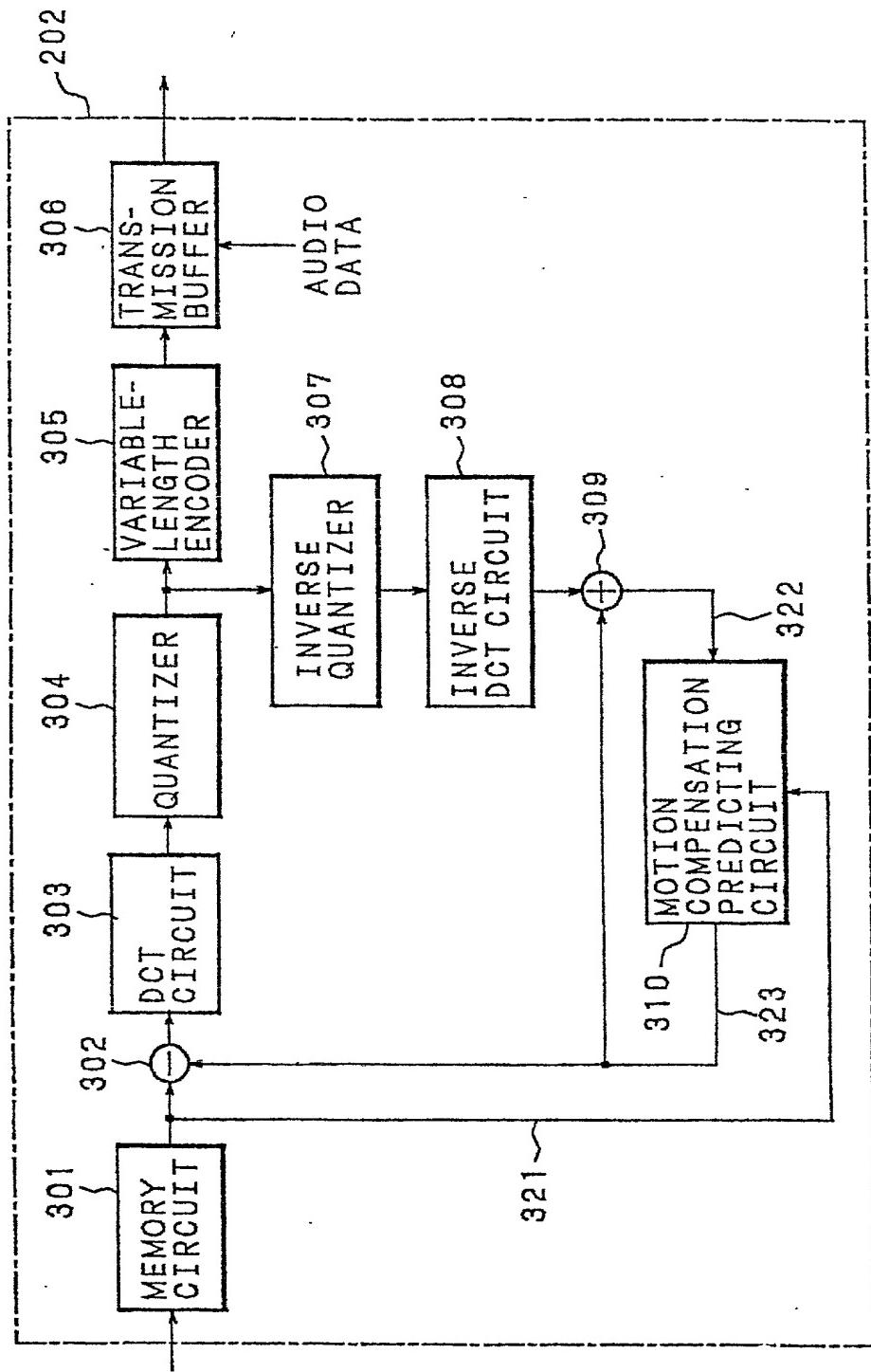


FIG. 3
PRIOR ART

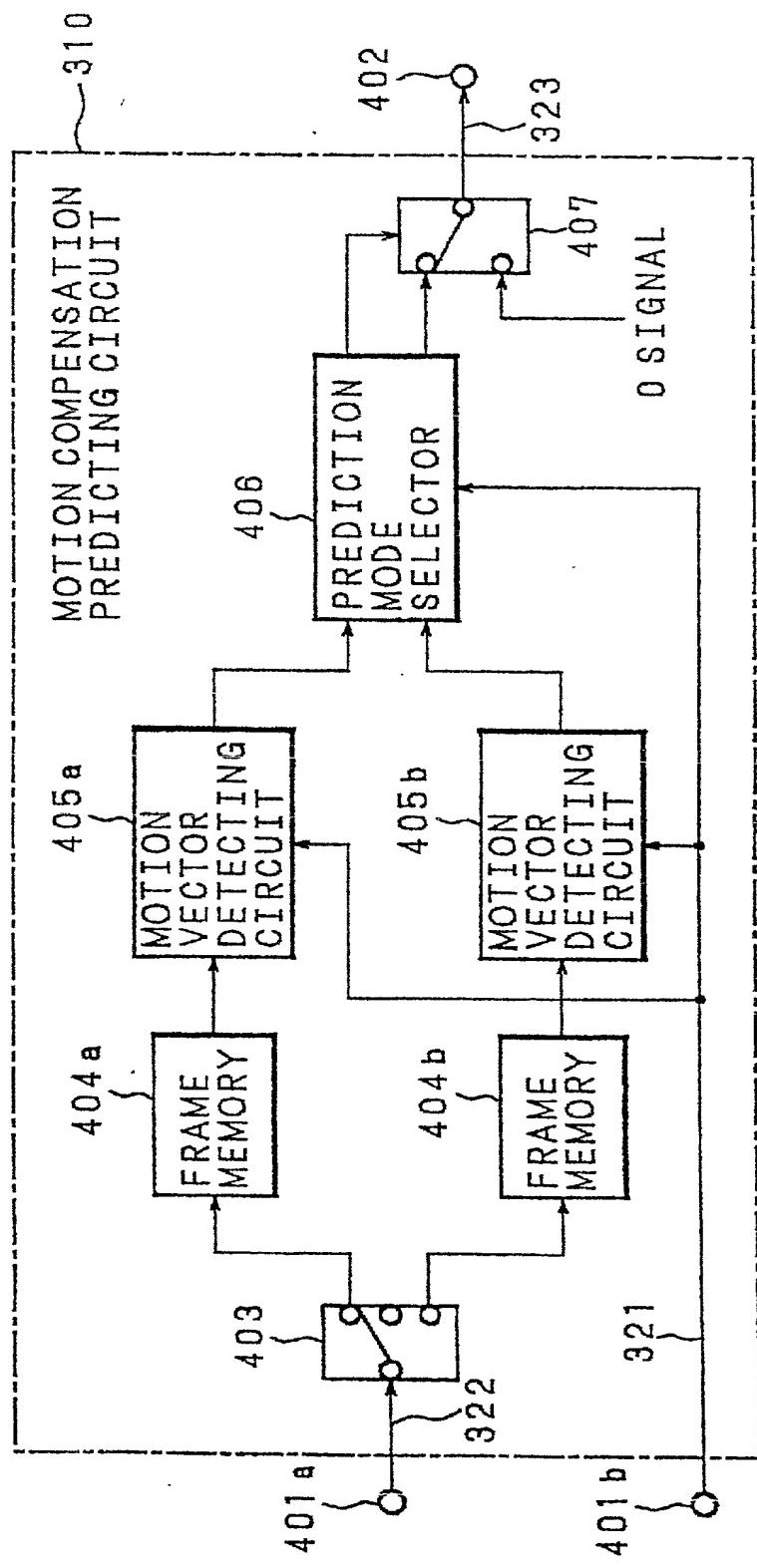


FIG. 4
PRIOR ART

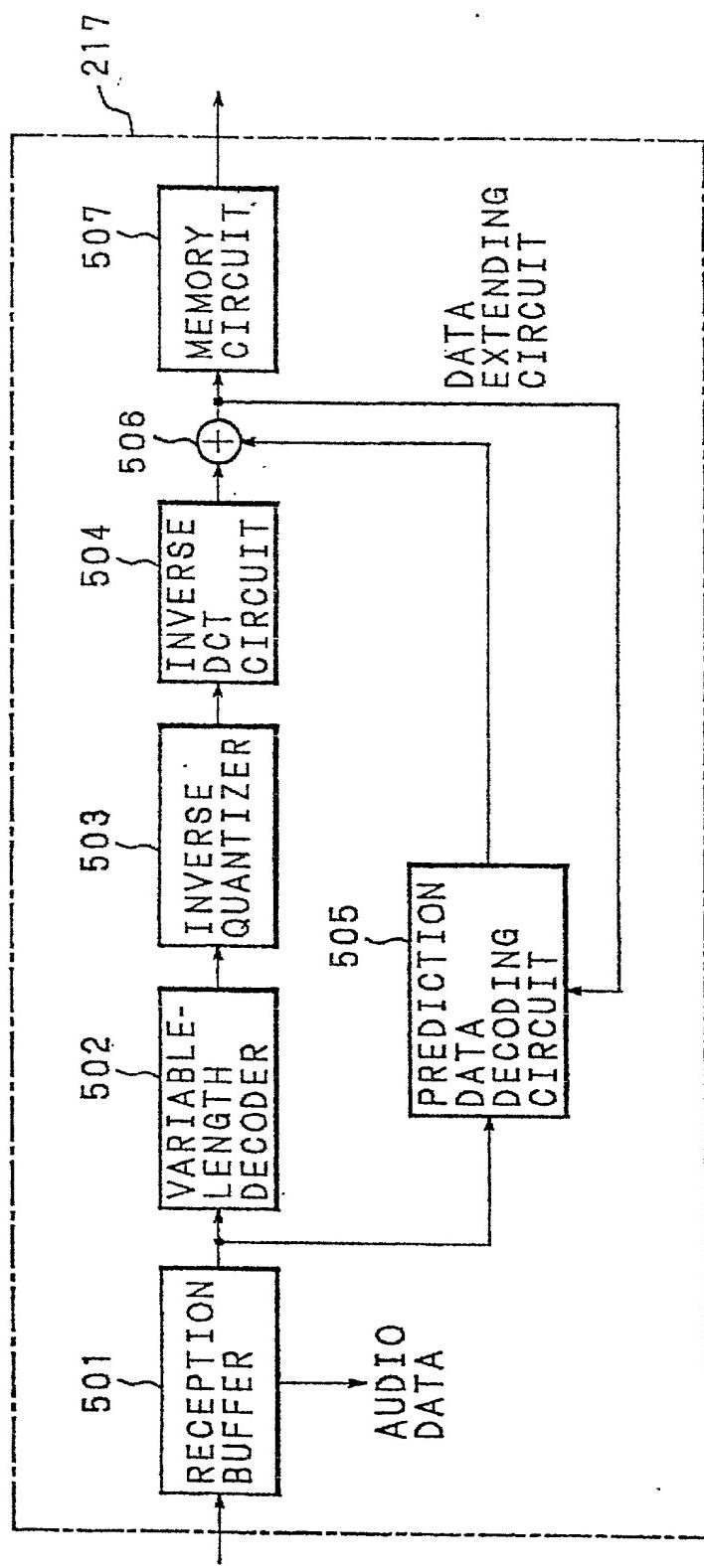
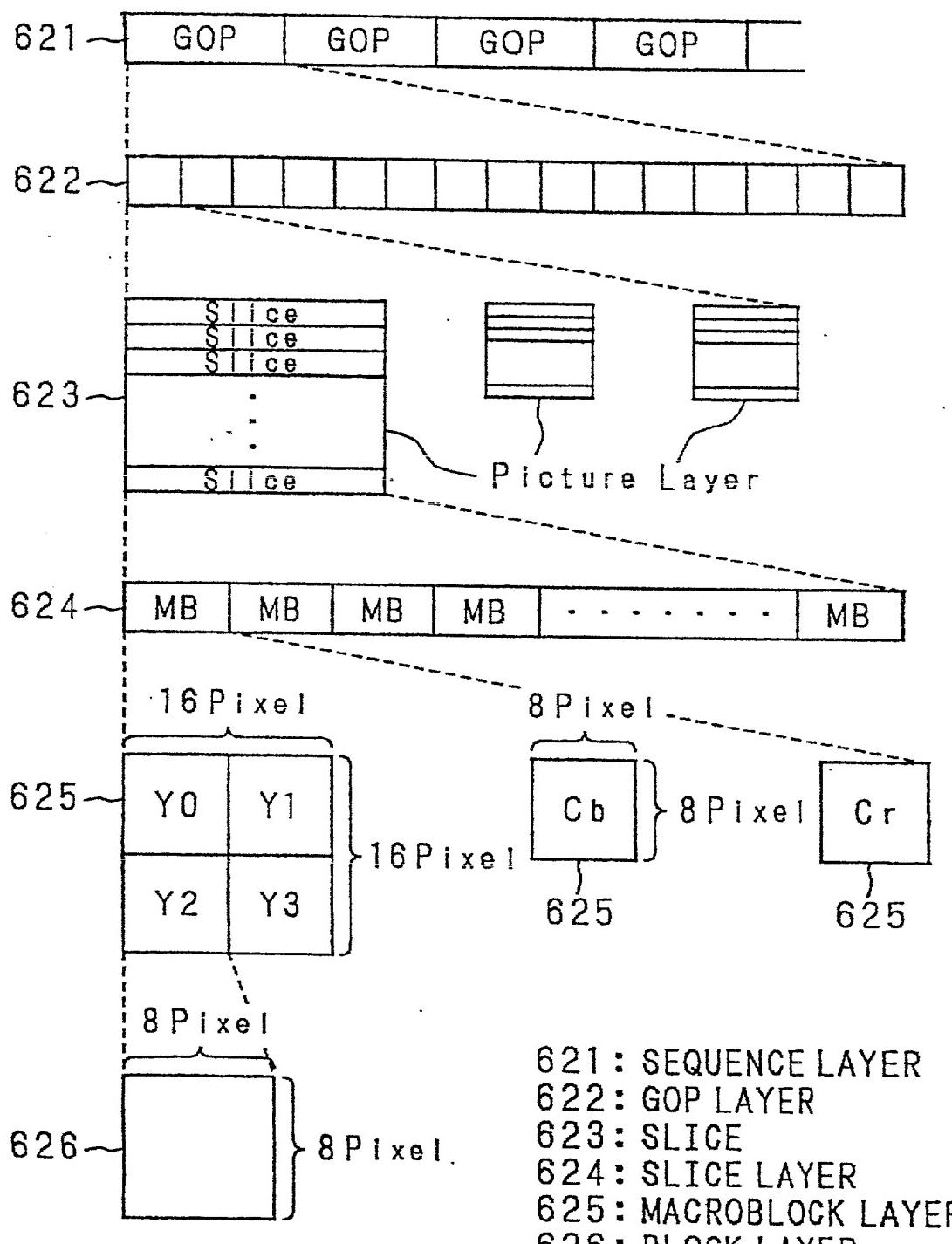


FIG. 5
PRIOR ART



621: SEQUENCE LAYER
622: GOP LAYER
623: SLICE
624: SLICE LAYER
625: MACROBLOCK LAYER
626: BLOCK LAYER

FIG. 6
PRIOR ART

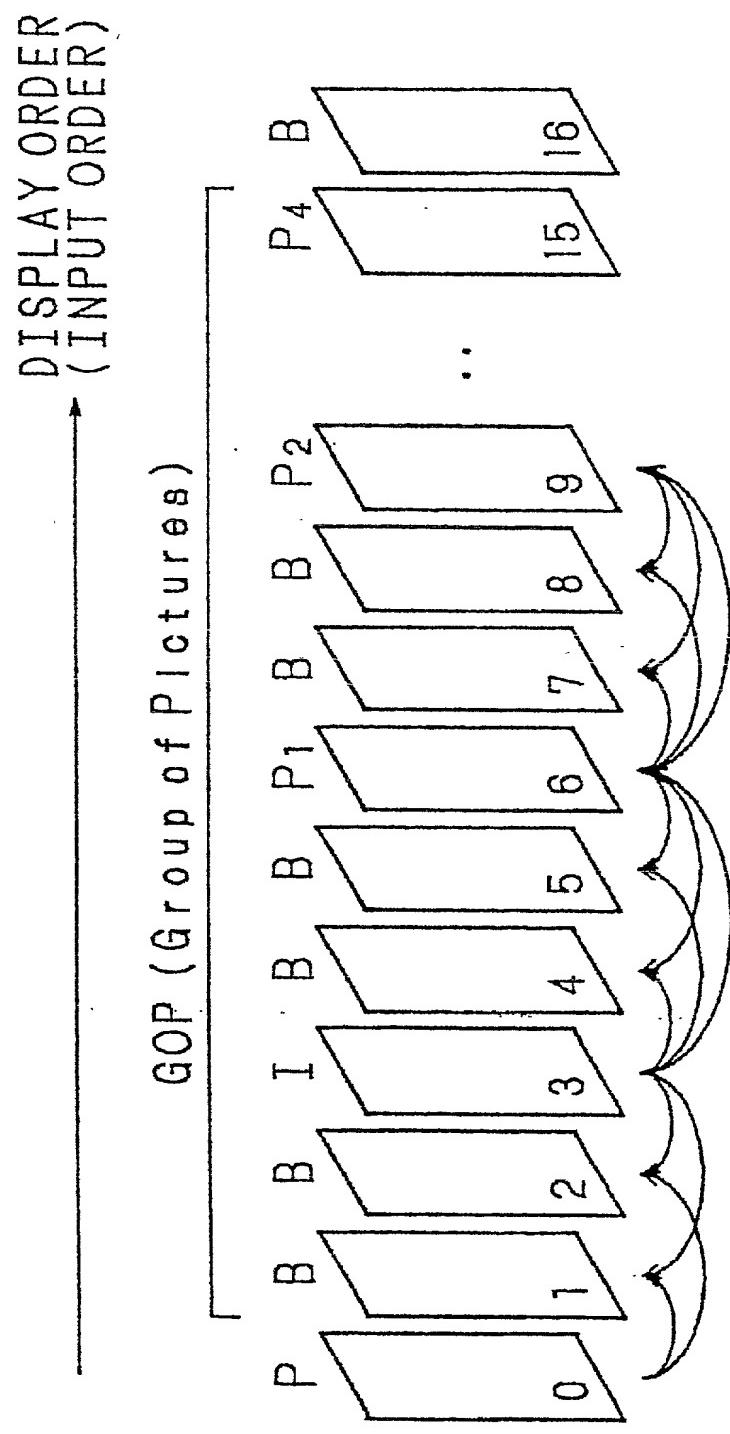


FIG. 7A
PRIOR ART
INPUT ORDER

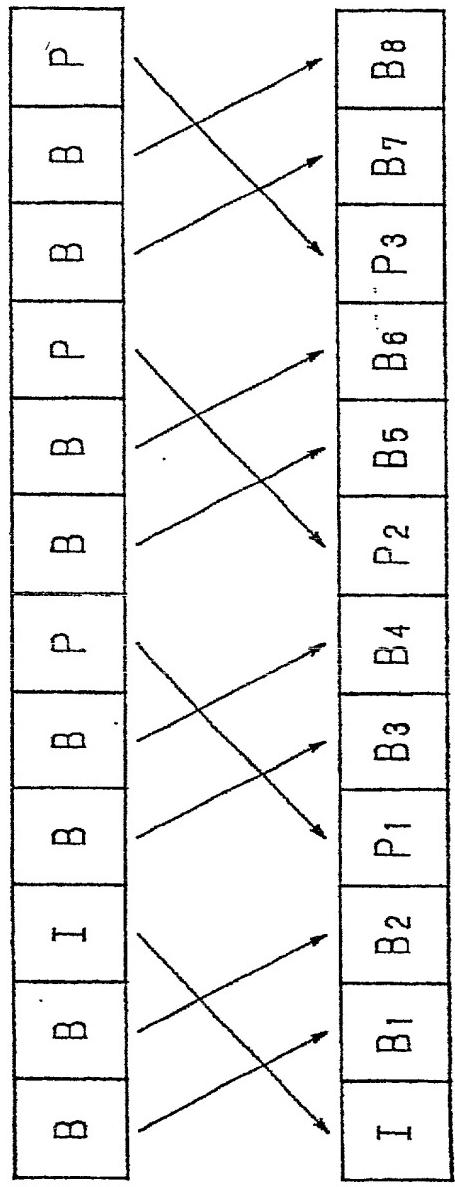


FIG. 7B
PRIOR ART
OUTPUT ORDER

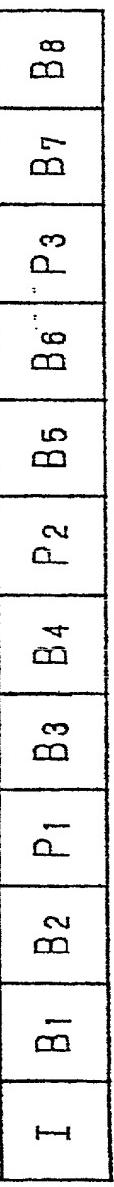


FIG. 8
PRIOR ART

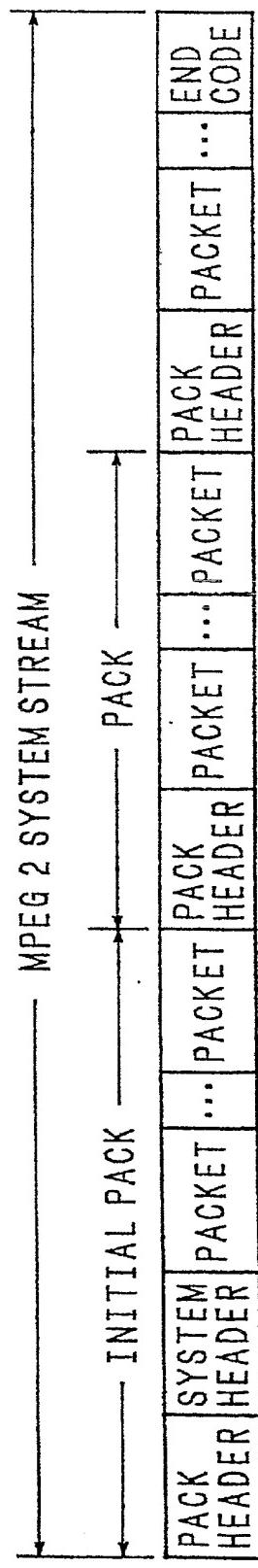


FIG. 9
PRIOR ART

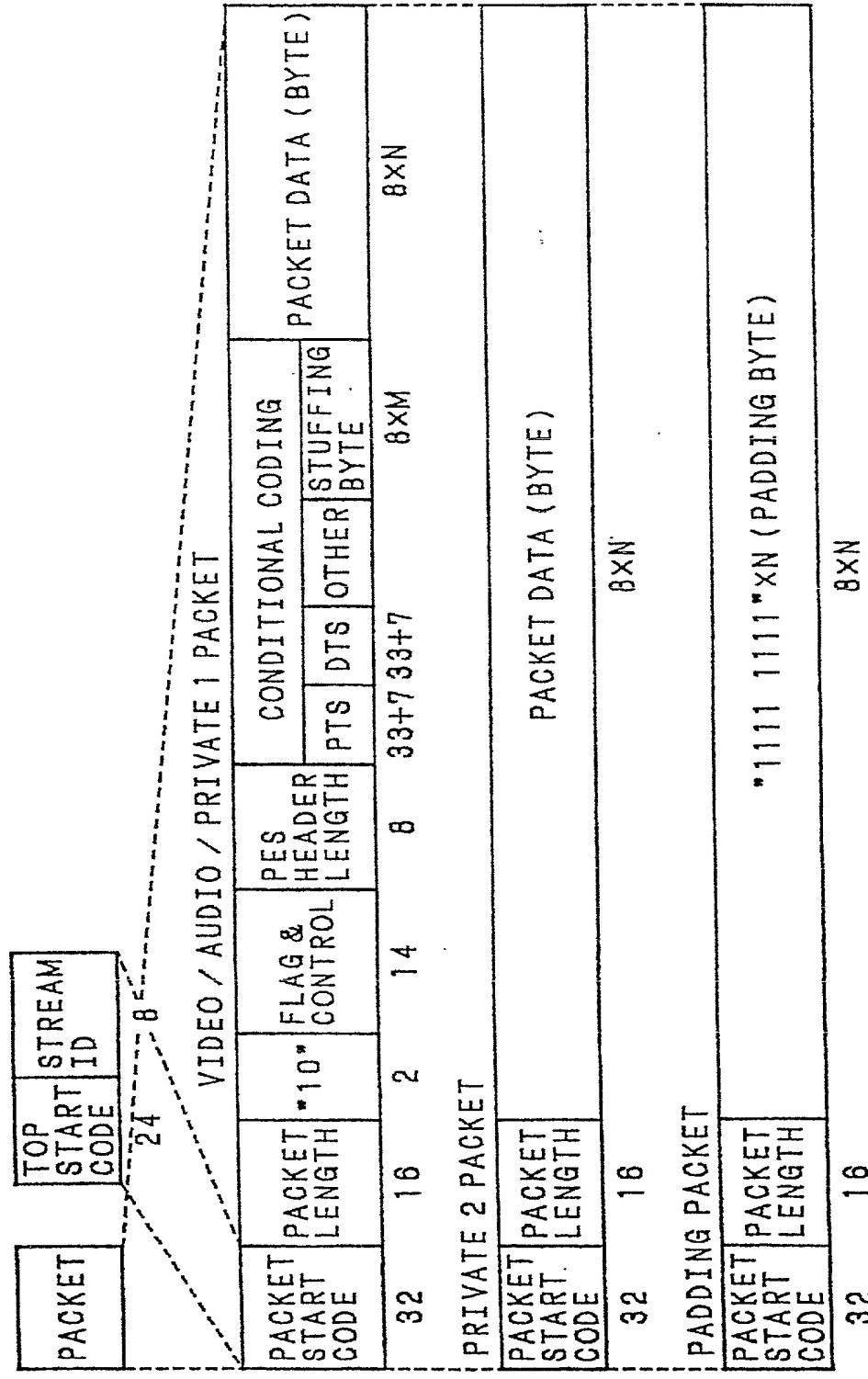


FIG. 10
PRIOR ART

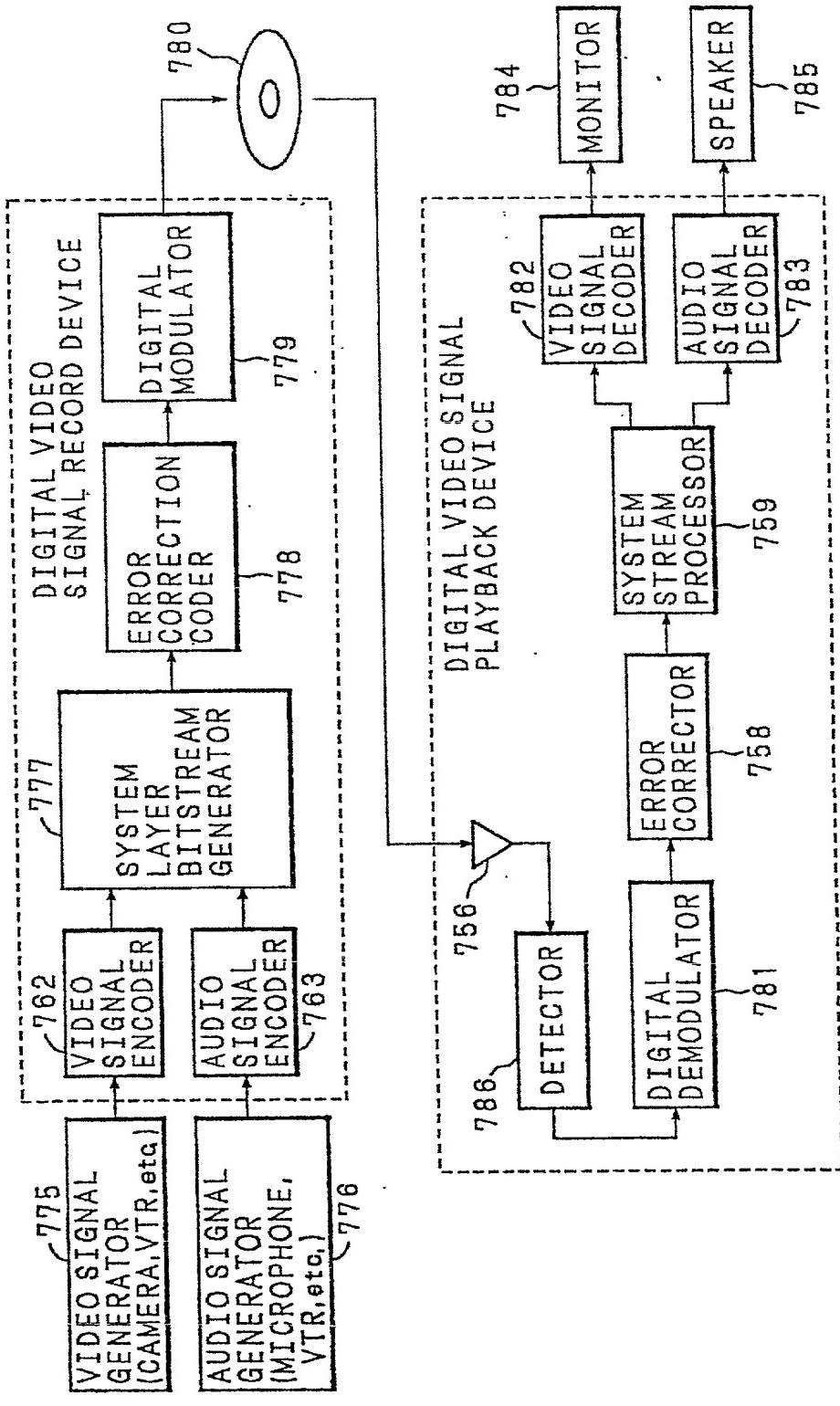


FIG. 11
PRIOR ART

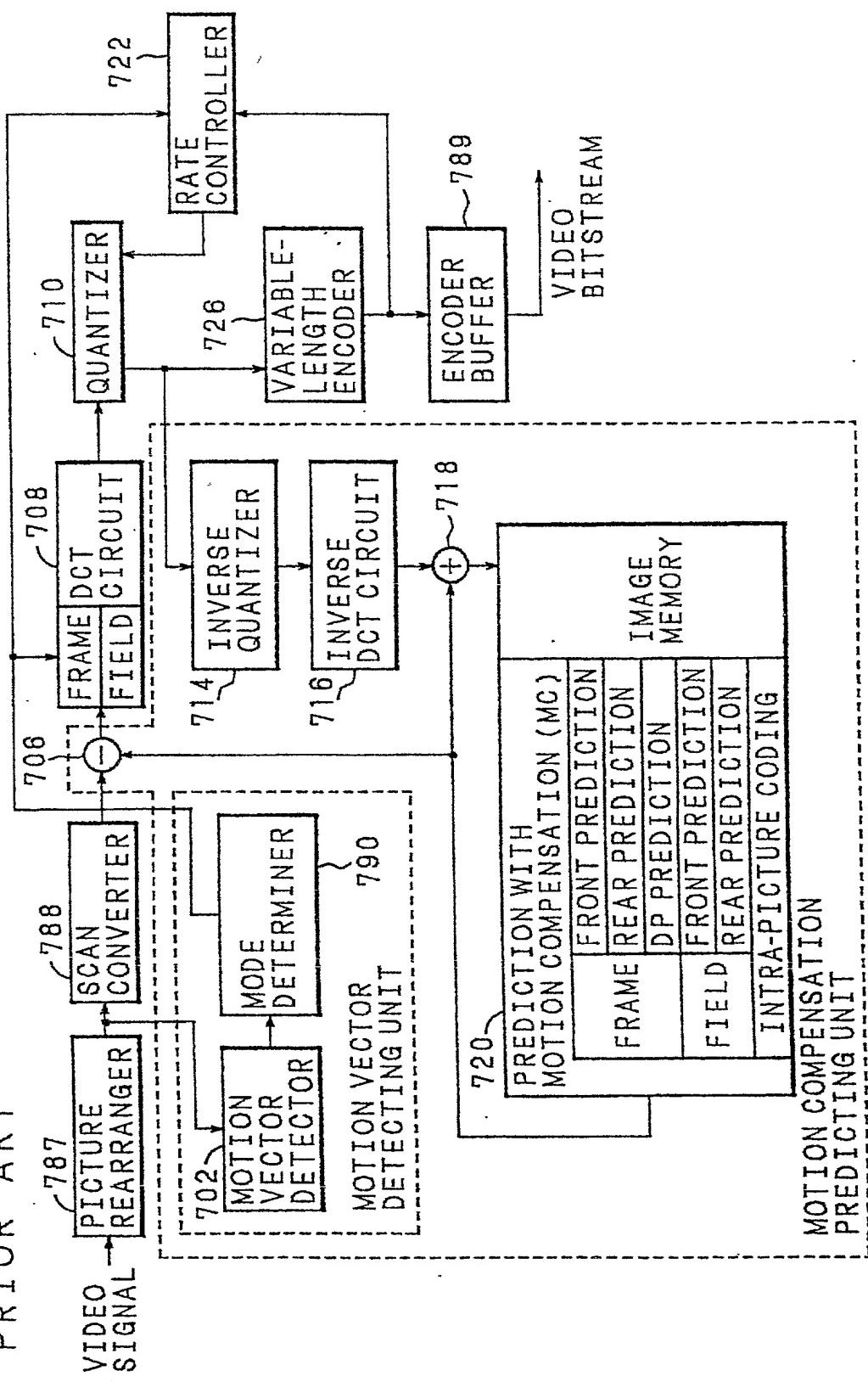


FIG. 12
PRIOR ART

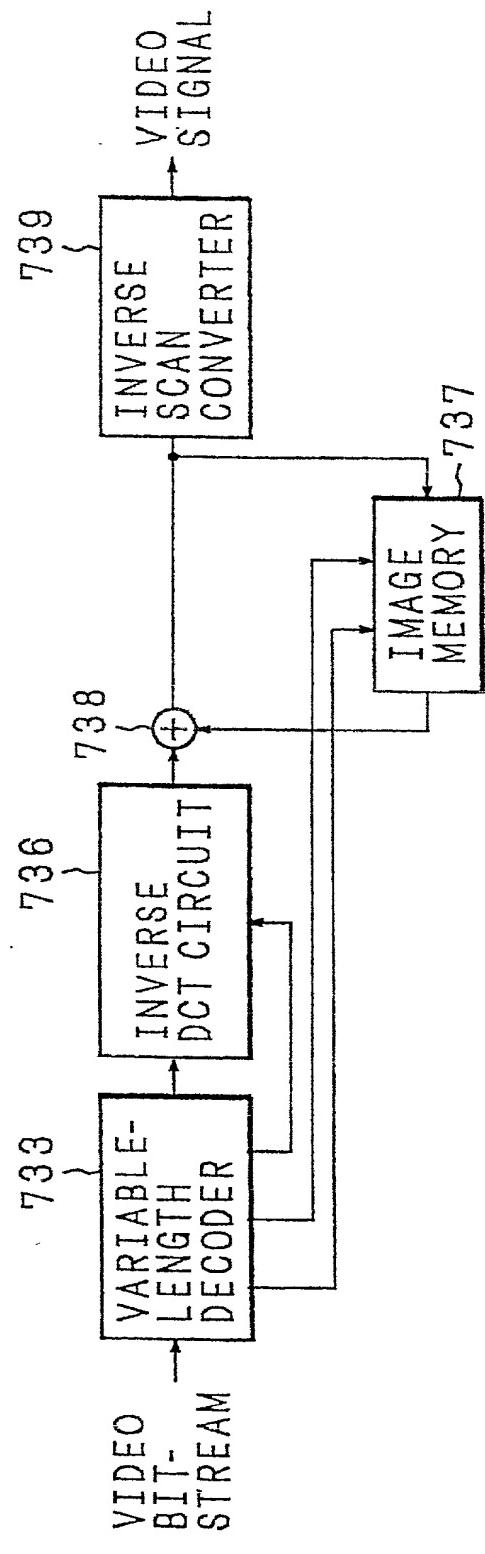
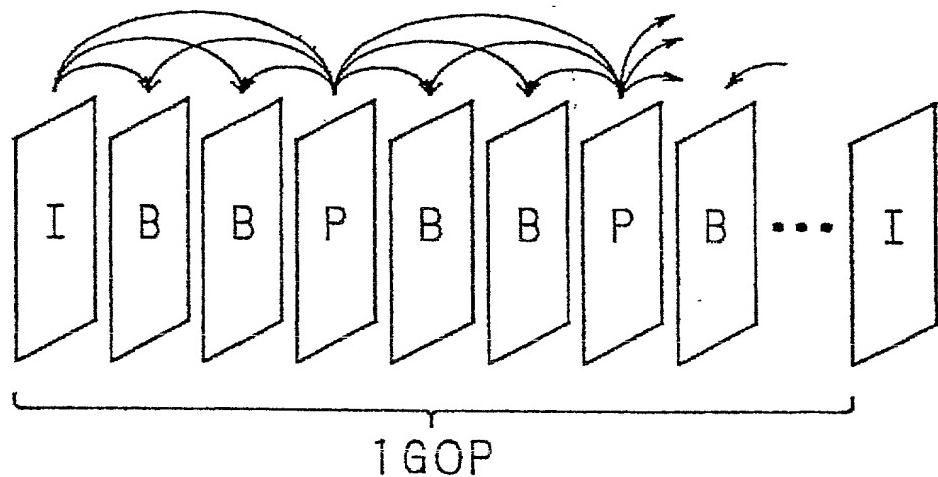


FIG. 13A
PRIOR ART



I:I-PICTURE
P:P-PICTURE
B:B-PICTURE

ARROW SHOWING PREDICTION

FIG. 13B
PRIOR ART

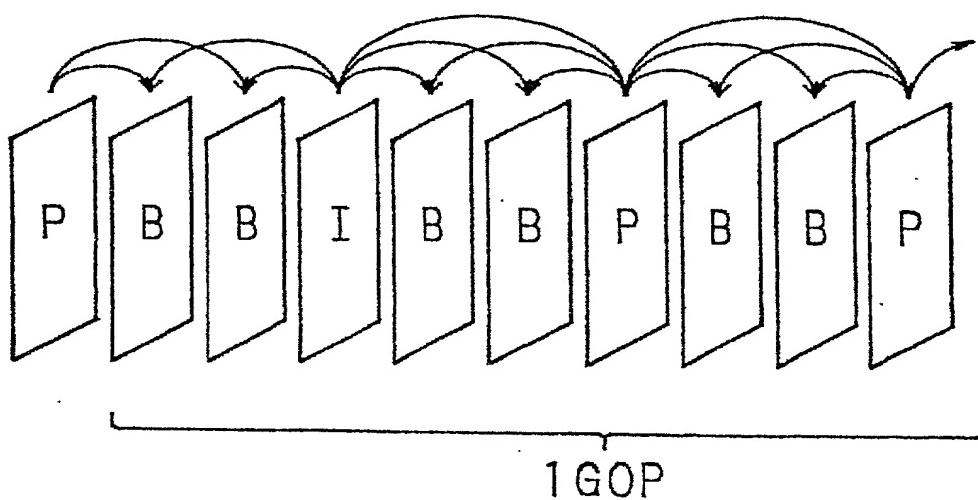


FIG. 14
PRIOR ART

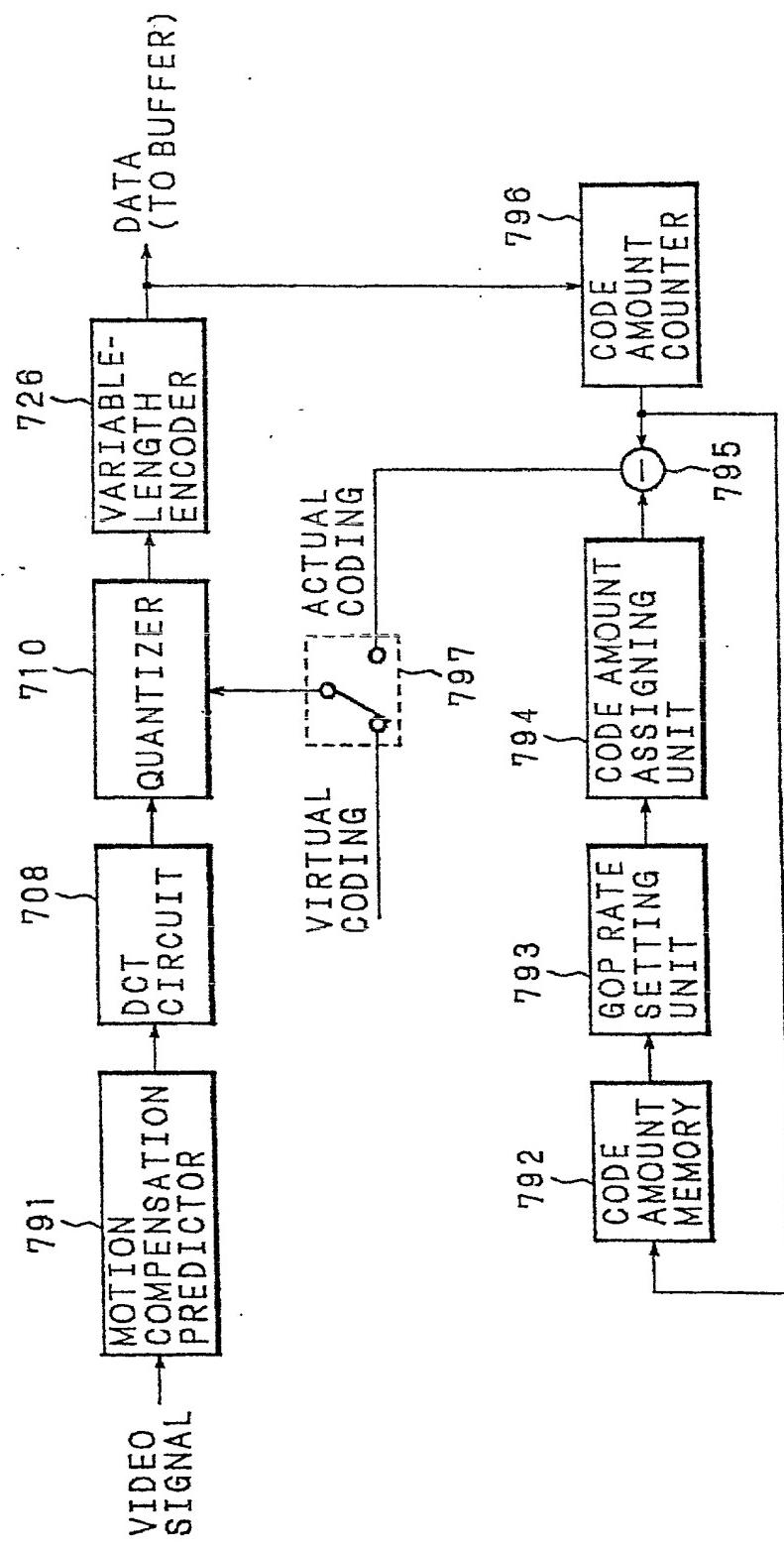


FIG. 15

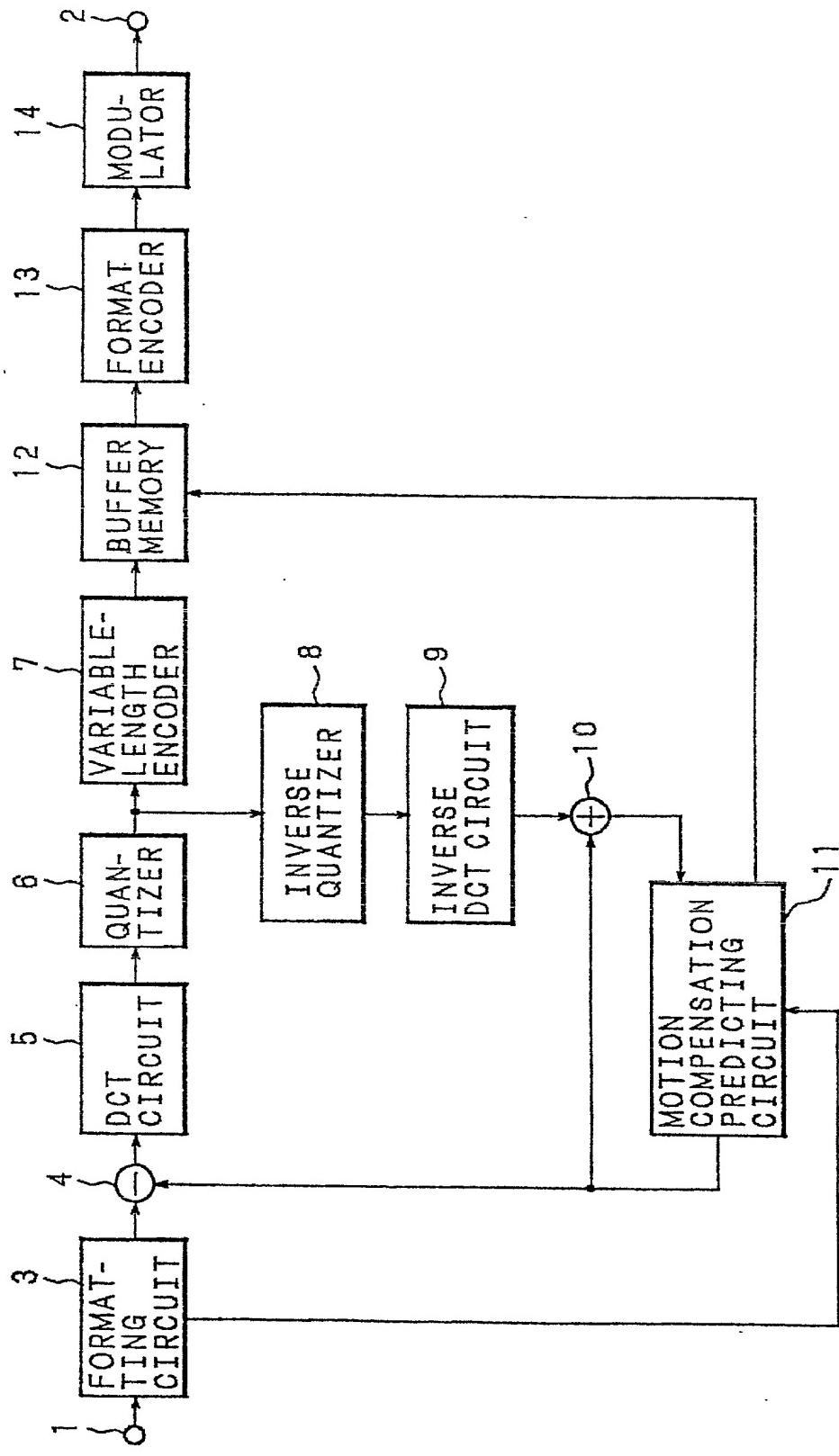


FIG. 16

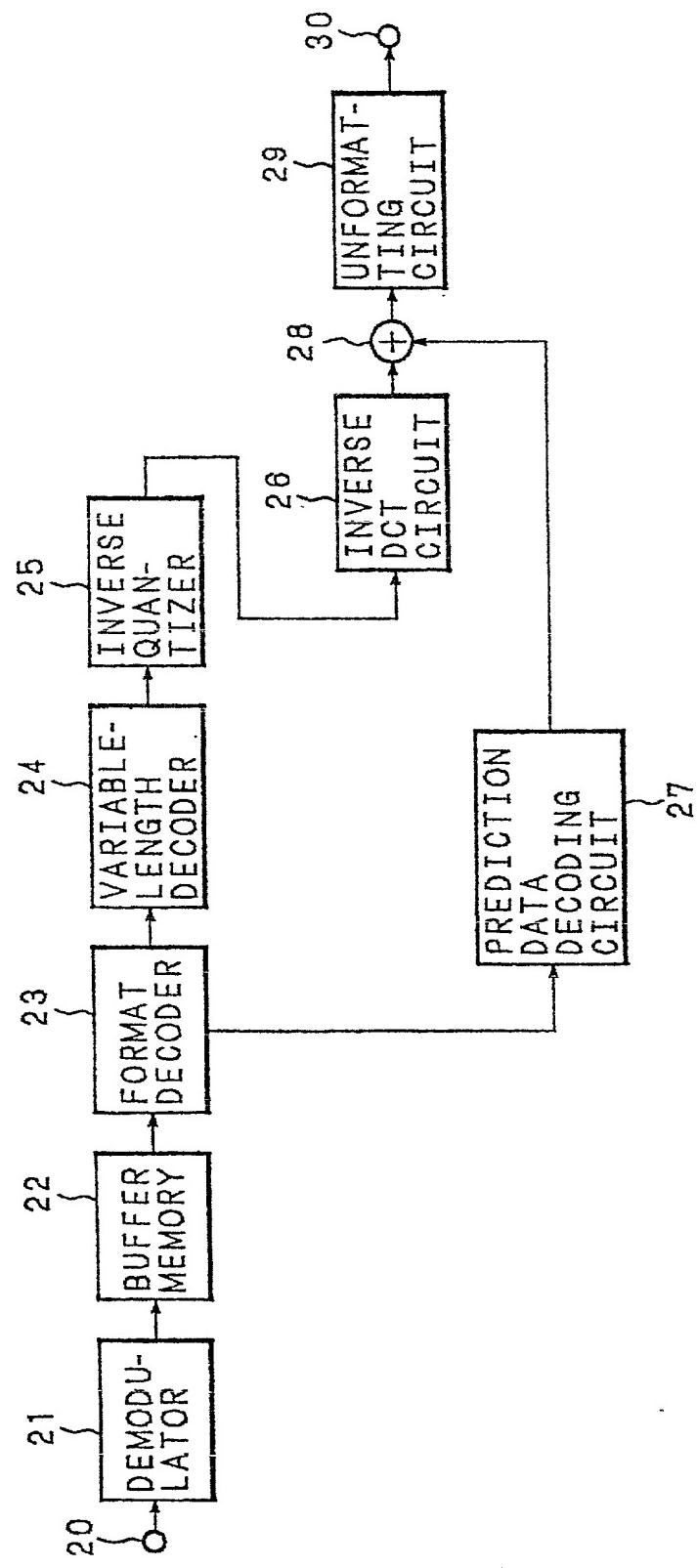


FIG. 17.

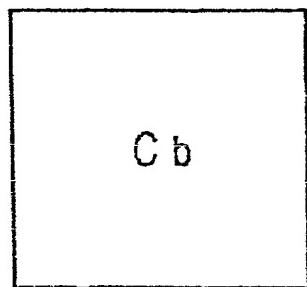
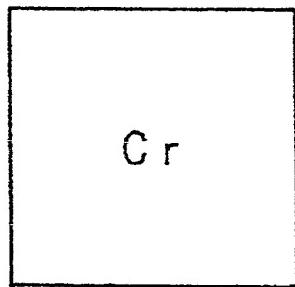
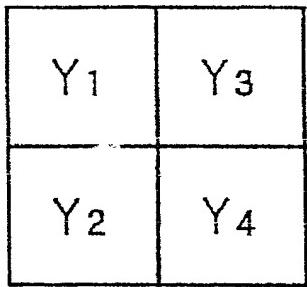


FIG. 18

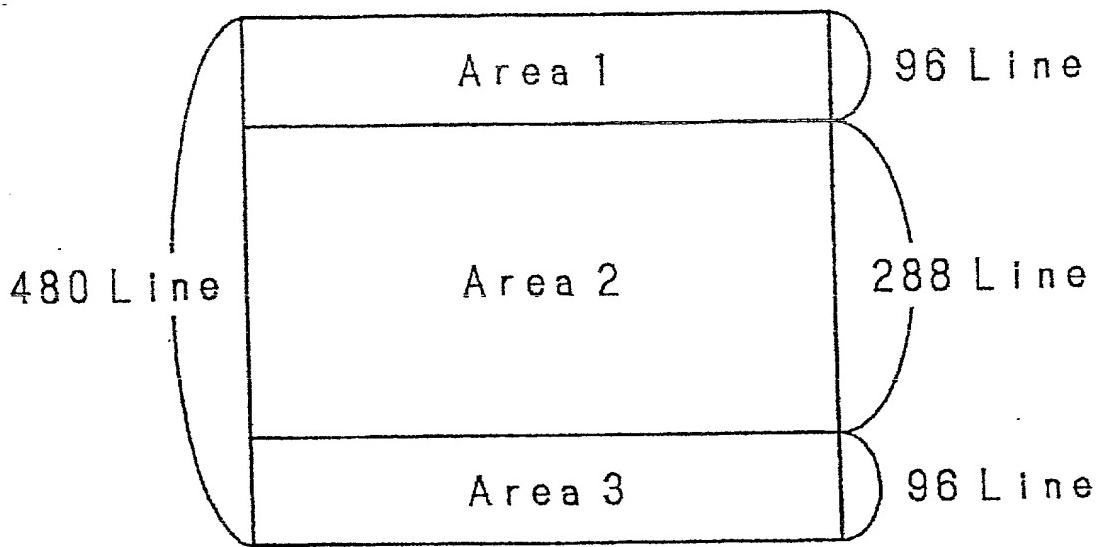


FIG. 19

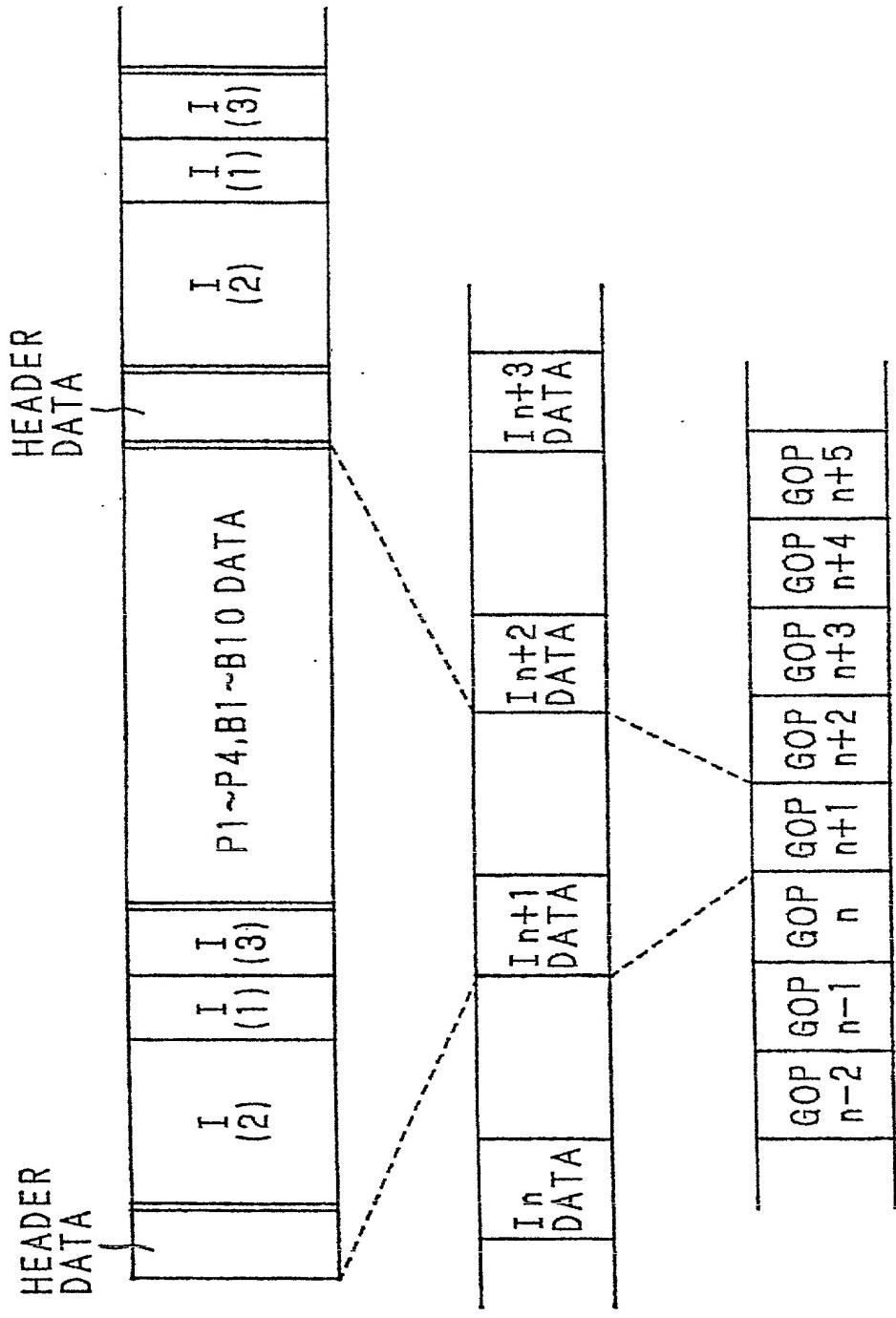
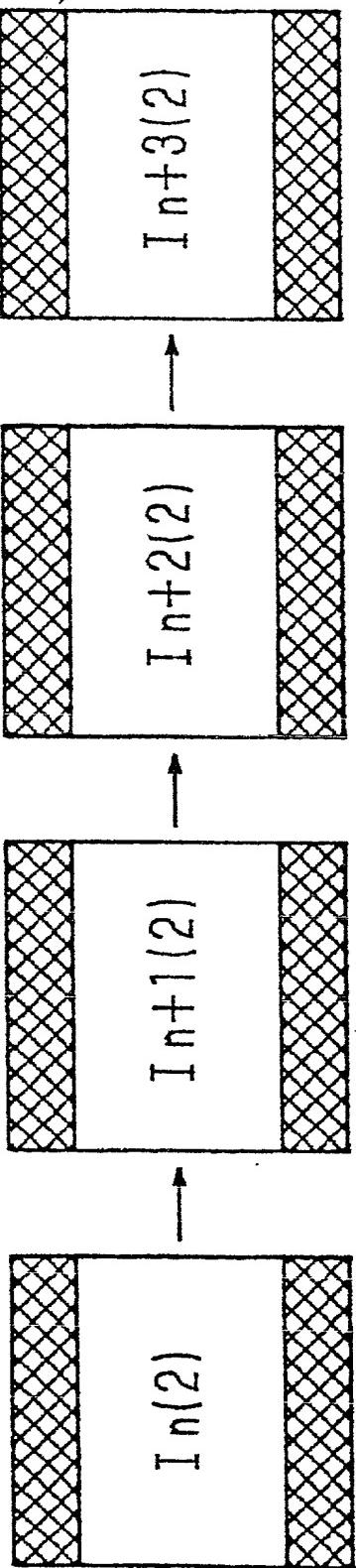


FIG. 20A FIG. 20C FIG. 20D



:MASK DATA

FIG. 21A

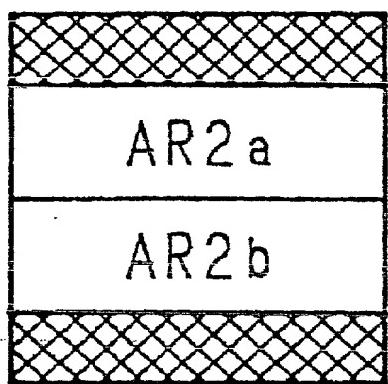


FIG. 21B

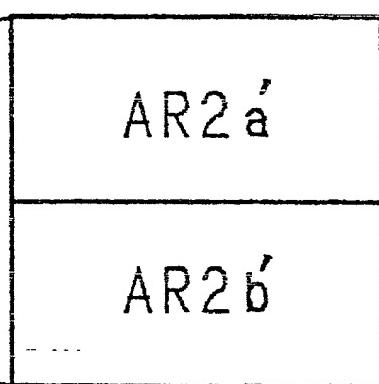


FIG. 22

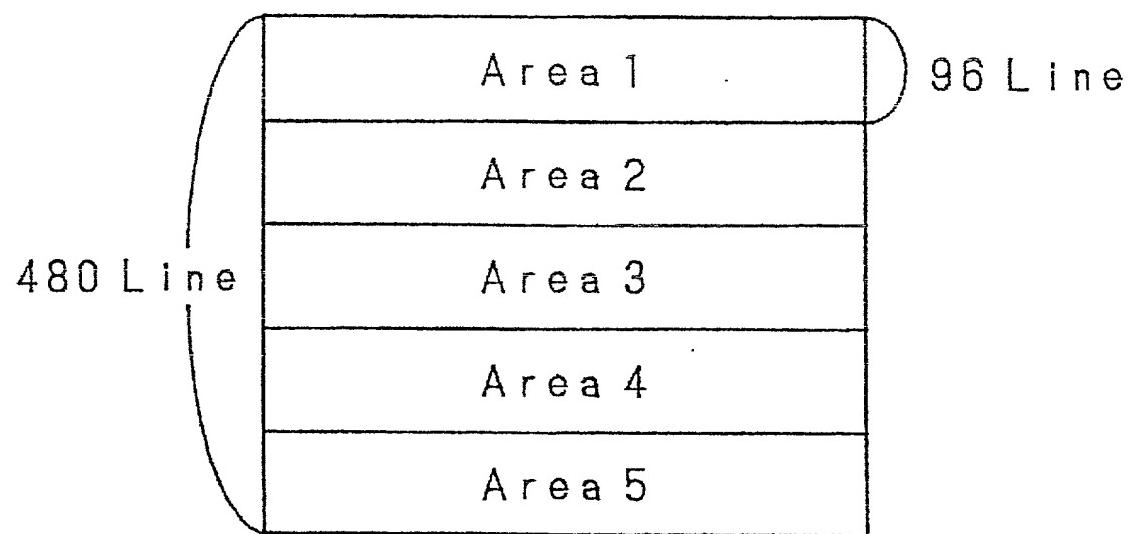


FIG. 23

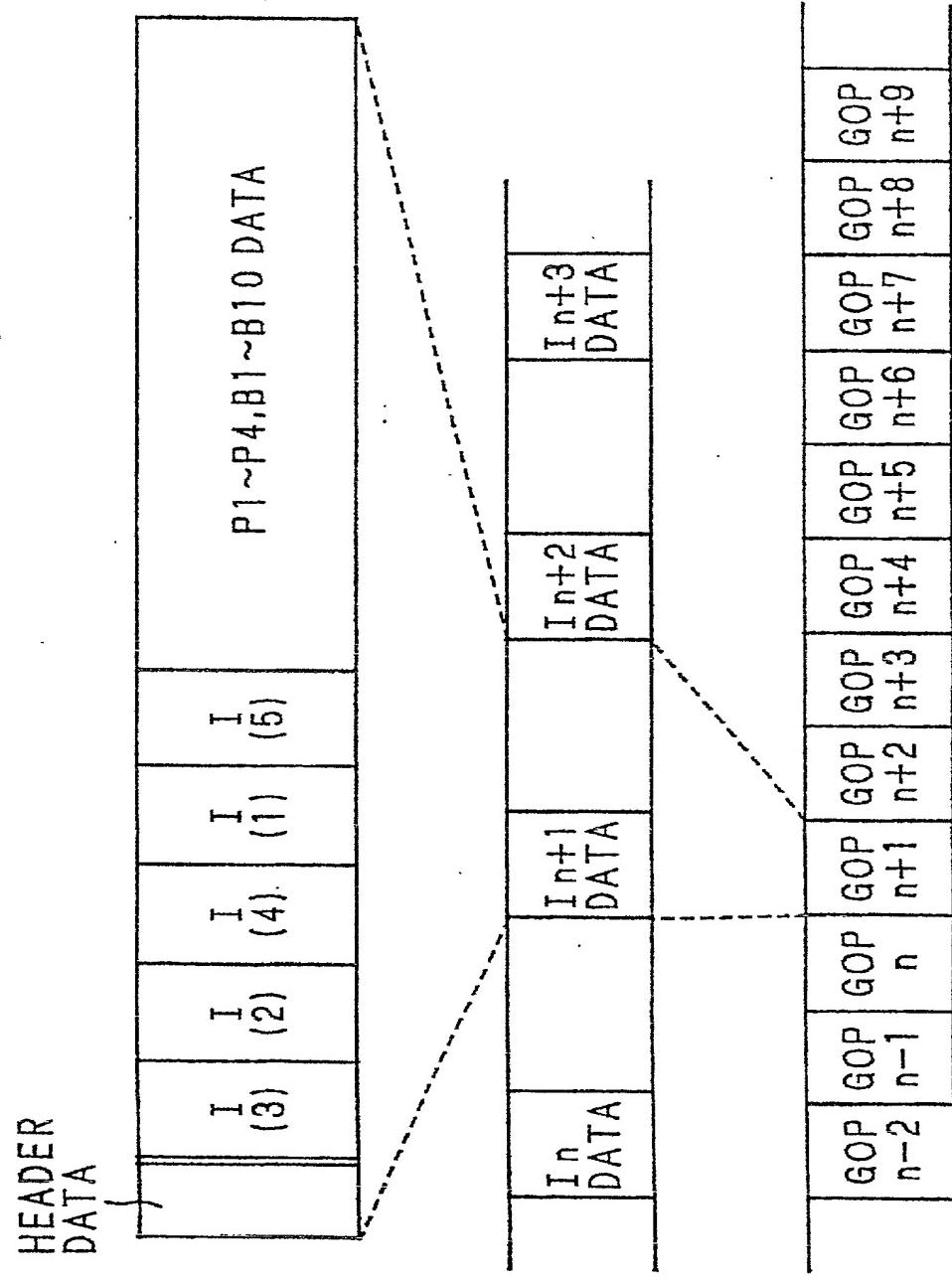


FIG. 24A

In(1)
In(2)
In(3)
In(4)
In(5)

FIG. 24B

In+1(1)
In+1(2)
In+1(3)
In+1(4)
In+1(5)

FIG. 24C

In+2(1)
In+2(2)
In+2(3)
In+2(4)
In+2(5)

FIG. 24D

In+3(1)
In+3(2)
In+3(3)
In+3(4)
In+3(5)

FIG. 24E

In+4(1)
In+4(2)
In+4(3)
In+4(4)
In+4(5)



FIG. 25A

I(3)	I(2)	I(4)	I(1)	I(5)	P1~P4 B1~B10	

FIG. 25B

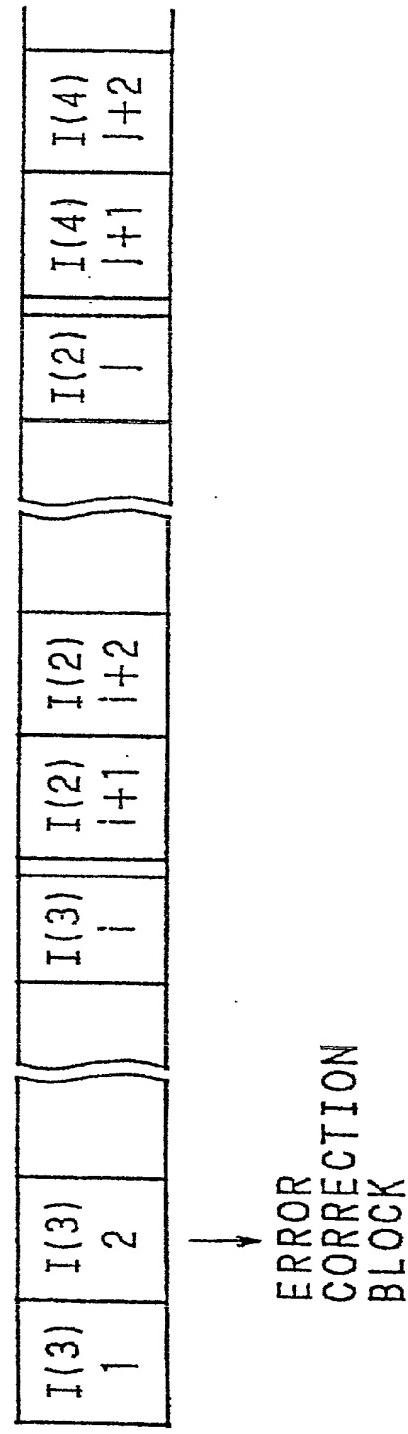


FIG. 26A

In+4(1)
In+3(2)
In+2(3)
In+1(4)
In (5)



FIG. 26B

In+5(1)
In+4(2)
In+3(3)
In+2(4)
In+1(5)



FIG. 26C

In+7(1)
In+6(2)
In+5(3)
In+4(4)
In+3(5)



FIG. 26D



FIG. 27A

In+2(1)
In+1(2)
In (3)
In-1(4)
In-2(5)

FIG. 27B FIG. 27C FIG. 27D

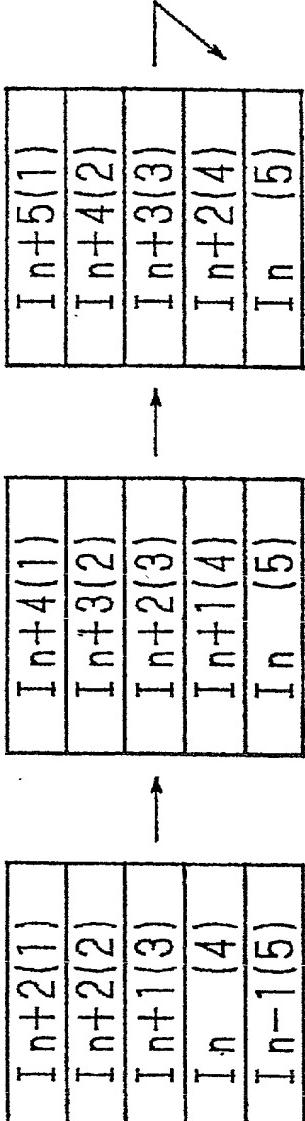


FIG. 27E

In+6(1)
In+5(2)
In+4(3)
In+3(4)
In+2(5)

FIG. 27F

In+7(1)
In+6(2)
In+5(3)
In+4(4)
In+3(5)



FIG. 28

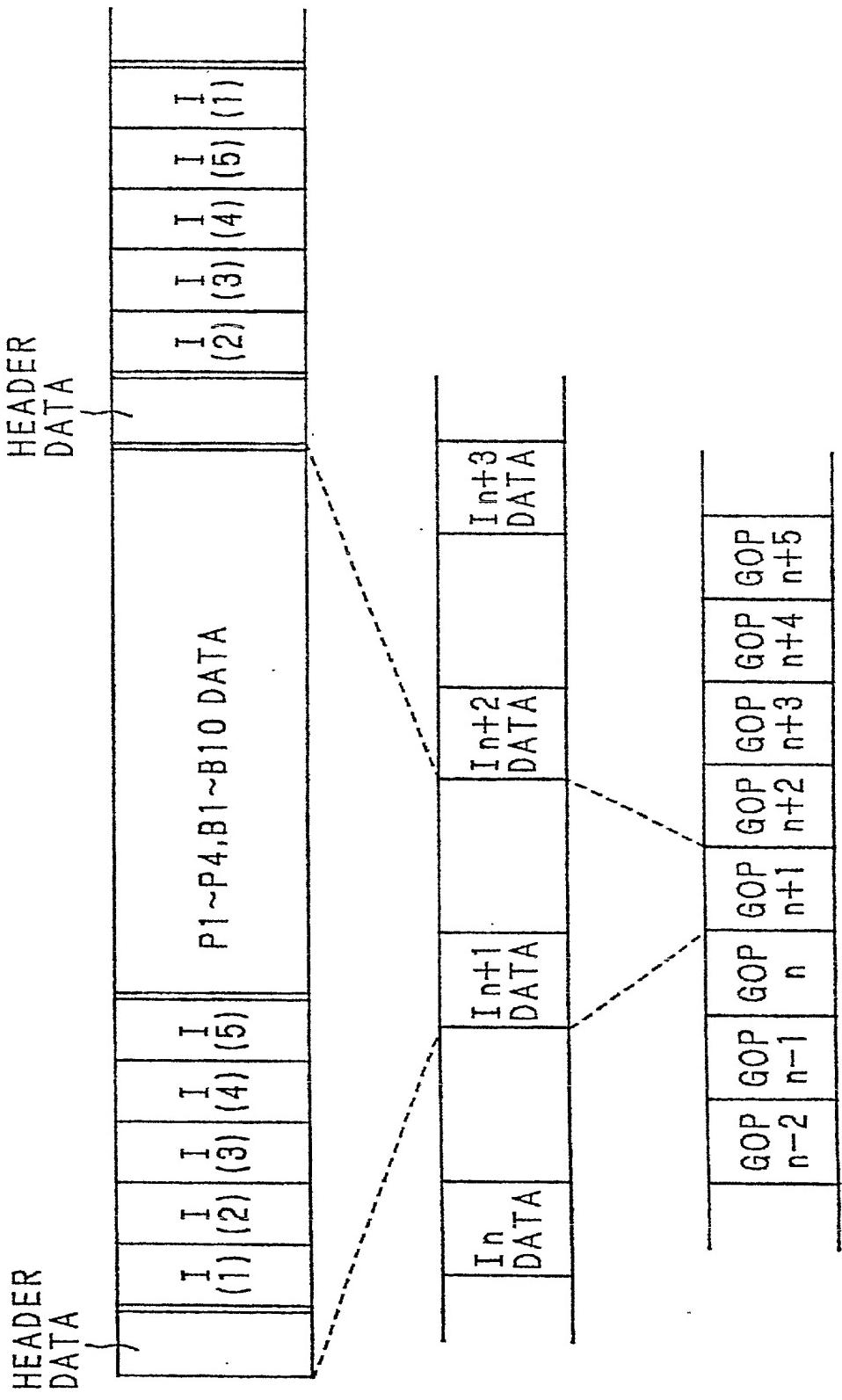


FIG. 29A

In(1)
In(2)
In(3)
In(4)
In(5)



FIG. 29B

In+1(1)
In+1(2)
In+1(3)
In+1(4)
In+1(5)



FIG. 29C

In+2(1)
In+2(2)
In+2(3)
In+2(4)
In+2(5)



FIG. 29D

In+4(1)
In+4(2)
In+4(3)
In+4(4)
In+4(5)



FIG. 29E

FIG. 30

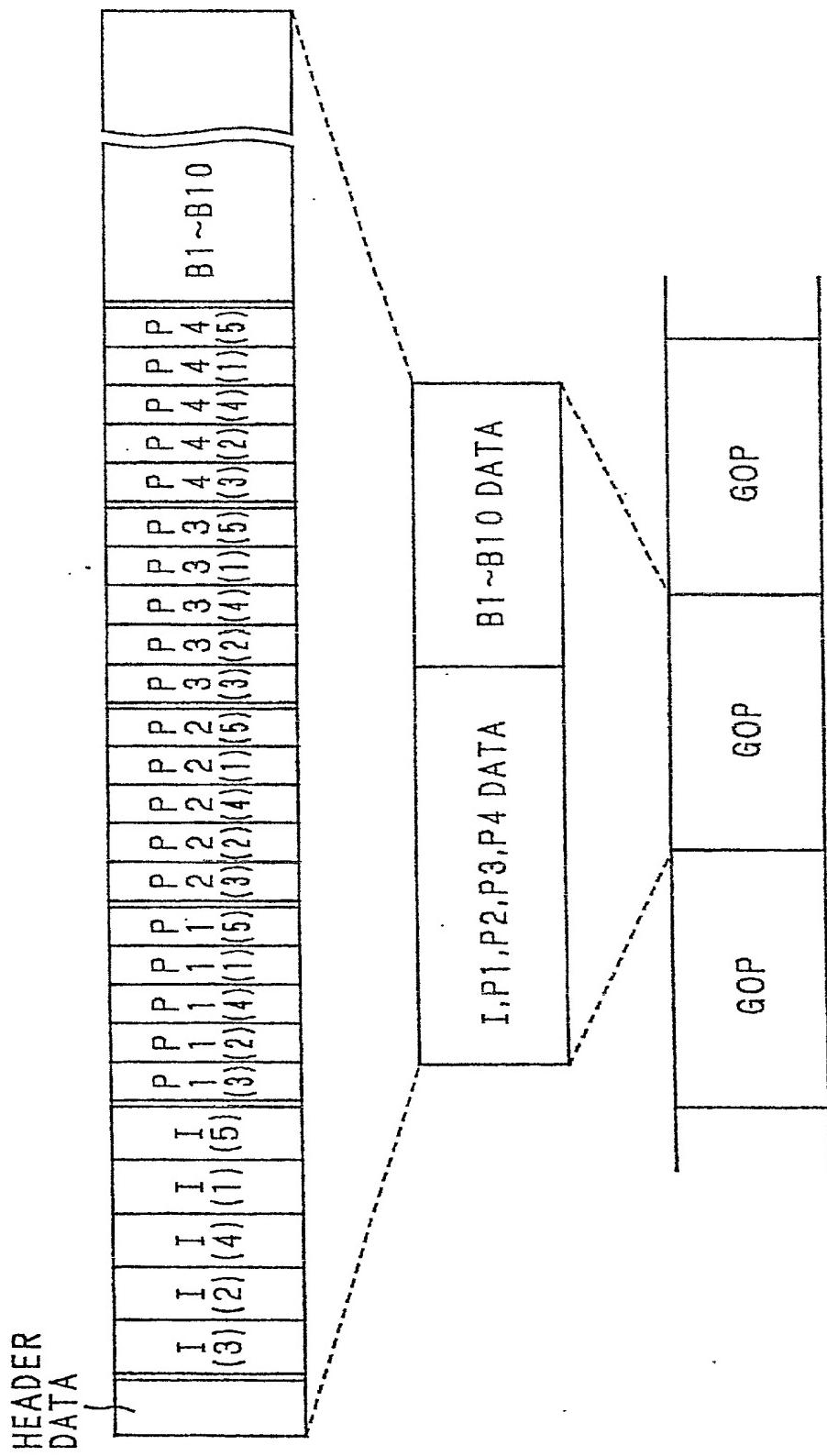


FIG. 31A FIG. 31B FIG. 31C FIG. 31D

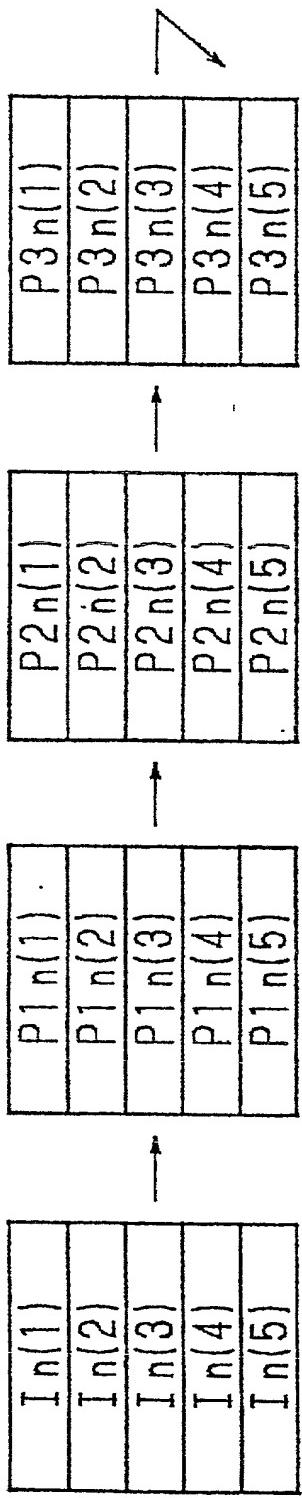


FIG. 31E FIG. 31F

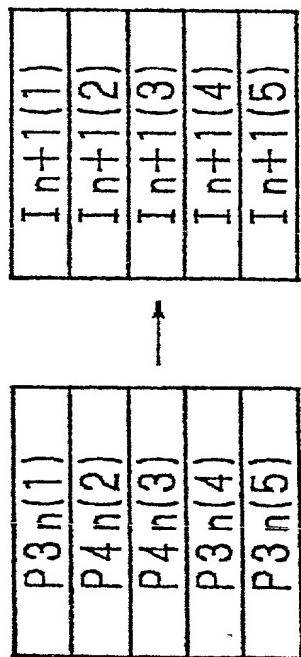


FIG. 32A

I(3)	I(2)	I(4)	I(1)	I(5)	P1 (3)	P1 (2)	P4 (3)	P4 (2)	B1~B10 DATA
------	------	------	------	------	-----------	-----------	-----------	-----------	-------------

FIG. 32B

I(5) i-1	I(5) i	P1(3) i+1	P1(3) i+2	P1(3) i+3	P1(3) i	P1(2) i+1	P1(2) i+2
-------------	-----------	--------------	--------------	--------------	------------	--------------	--------------

↓
ERROR
CORRECTION
BLOCK

FIG. 33A

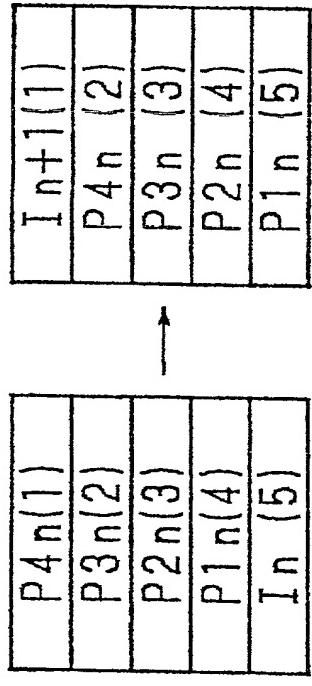


FIG. 33B

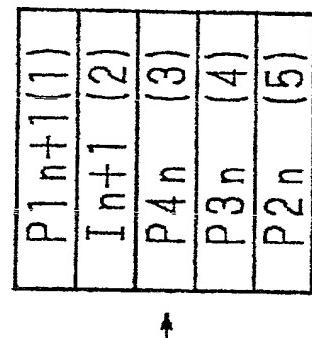


FIG. 33C

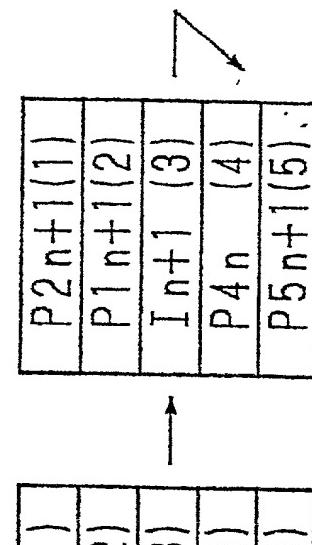


FIG. 33D

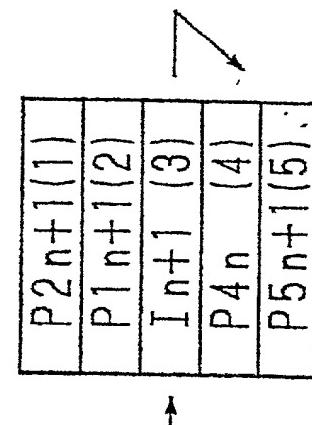


FIG. 33E

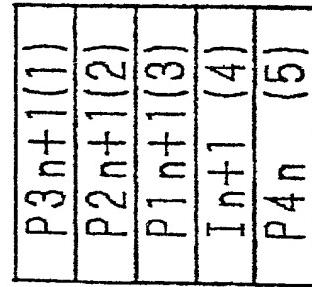


FIG. 33F

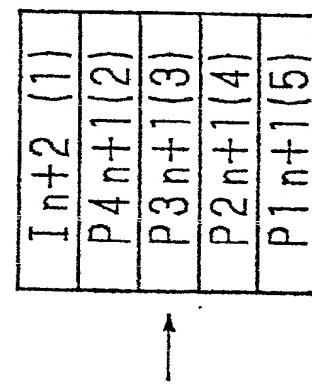


FIG. 33G

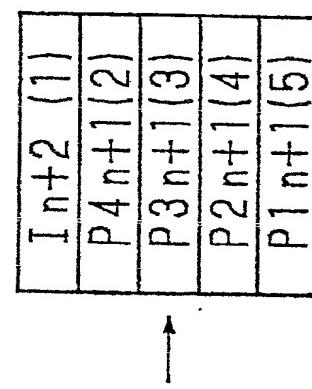
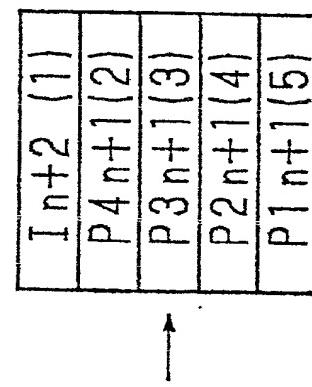


FIG. 34 A

P3n (1)
P2n (2)
P1n (3)
In (4)
P4n-1 (5)

FIG. 34 B

P3n(1)
P3n(2)
P2n(3)
P1n(4)
In (5)

FIG. 34 C

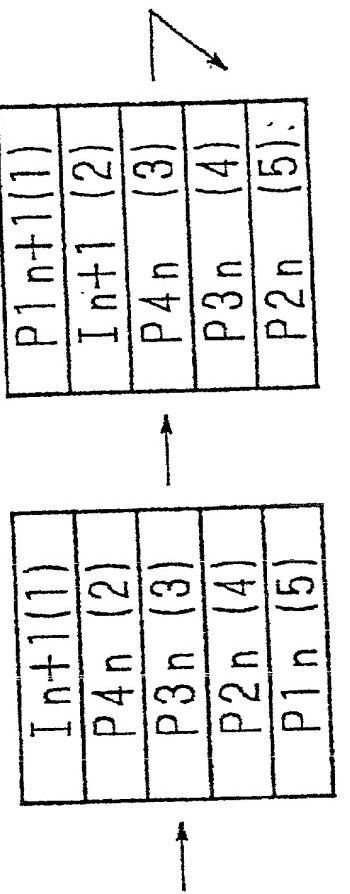


FIG. 34 D

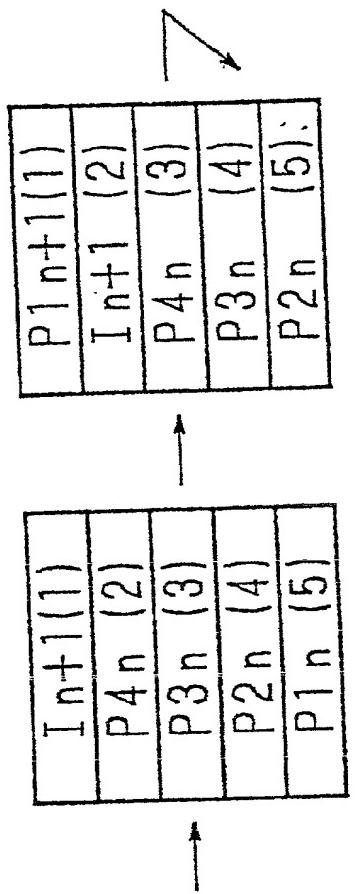


FIG. 34 E

P2n+1(1)
P1n+1(2)
In+1 (3)
P3n (4)
P3n (5)

FIG. 34 F

P3n+1(1)
P2n+1(2)
P1n+1(3)
In+1 (4)
P3n (5)



FIG. 35

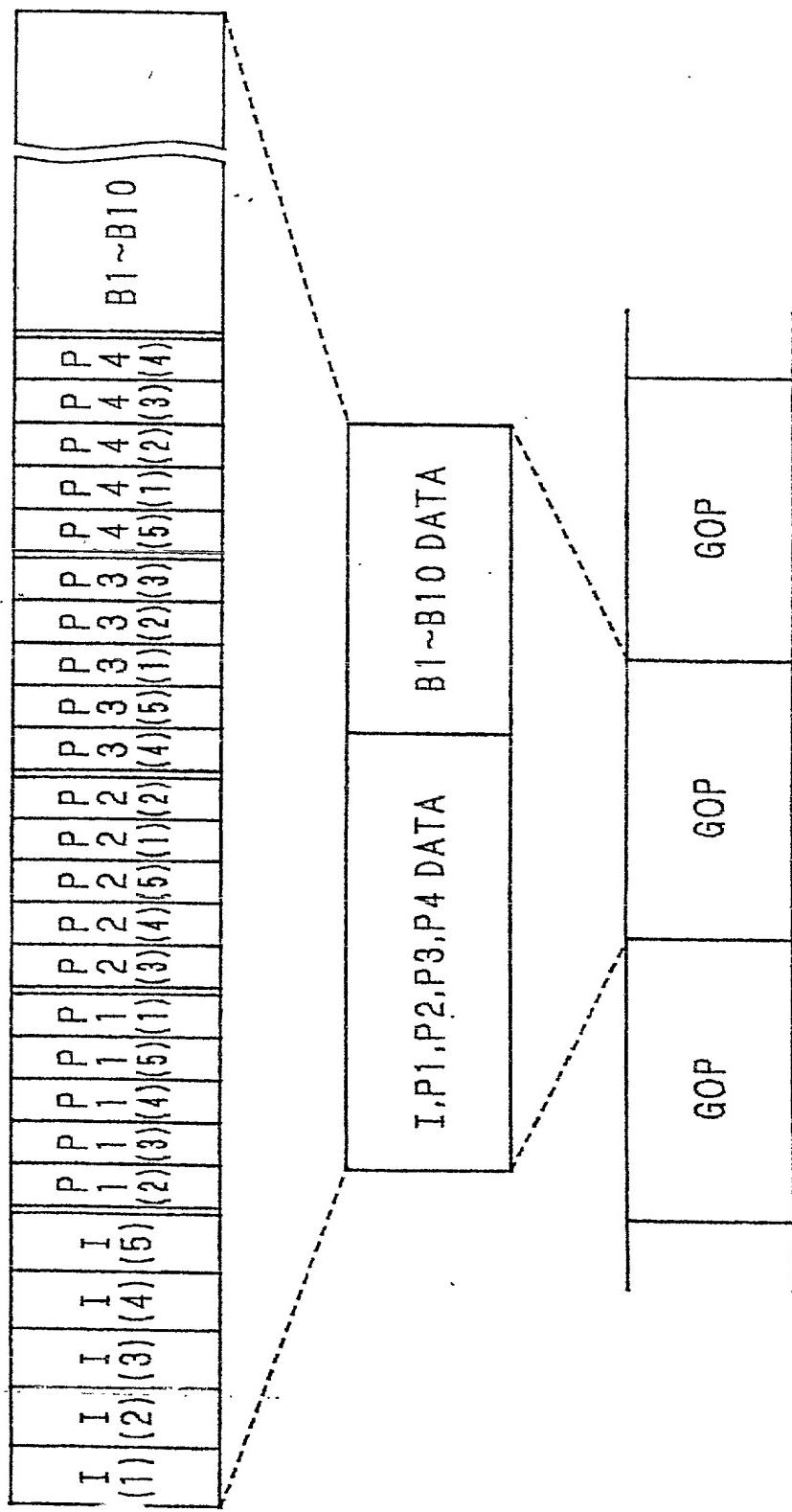


FIG. 36A

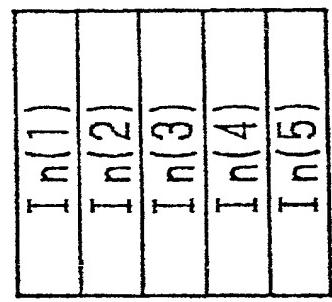


FIG. 36B

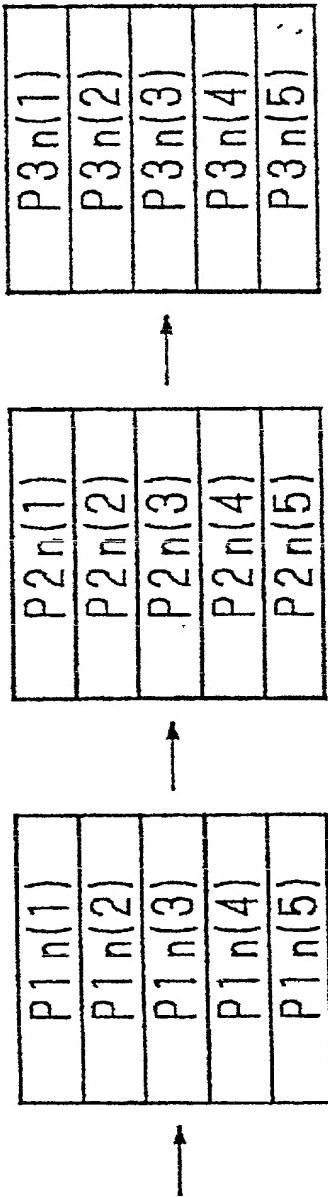


FIG. 36C

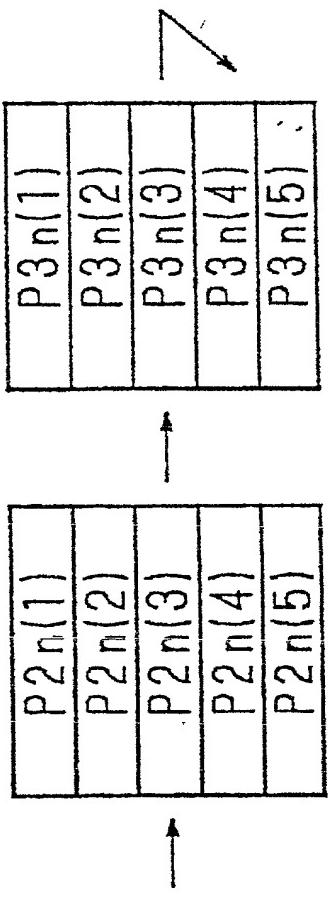


FIG. 36D

FIG. 36E

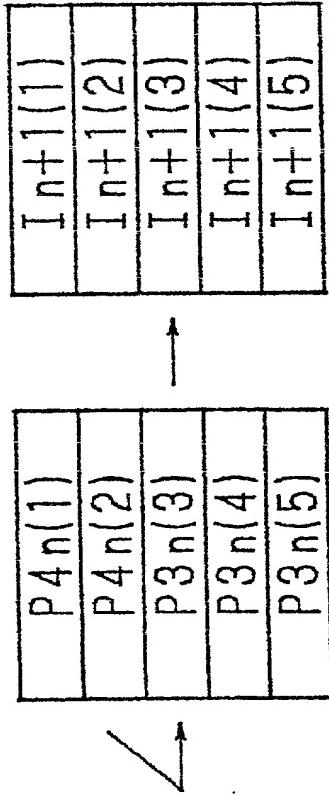


FIG. 36F

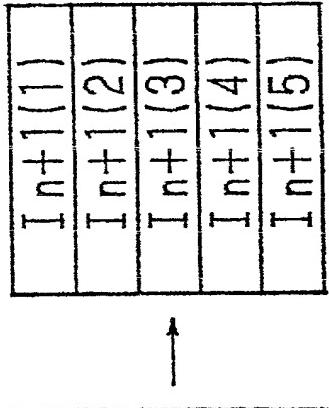


FIG. 37

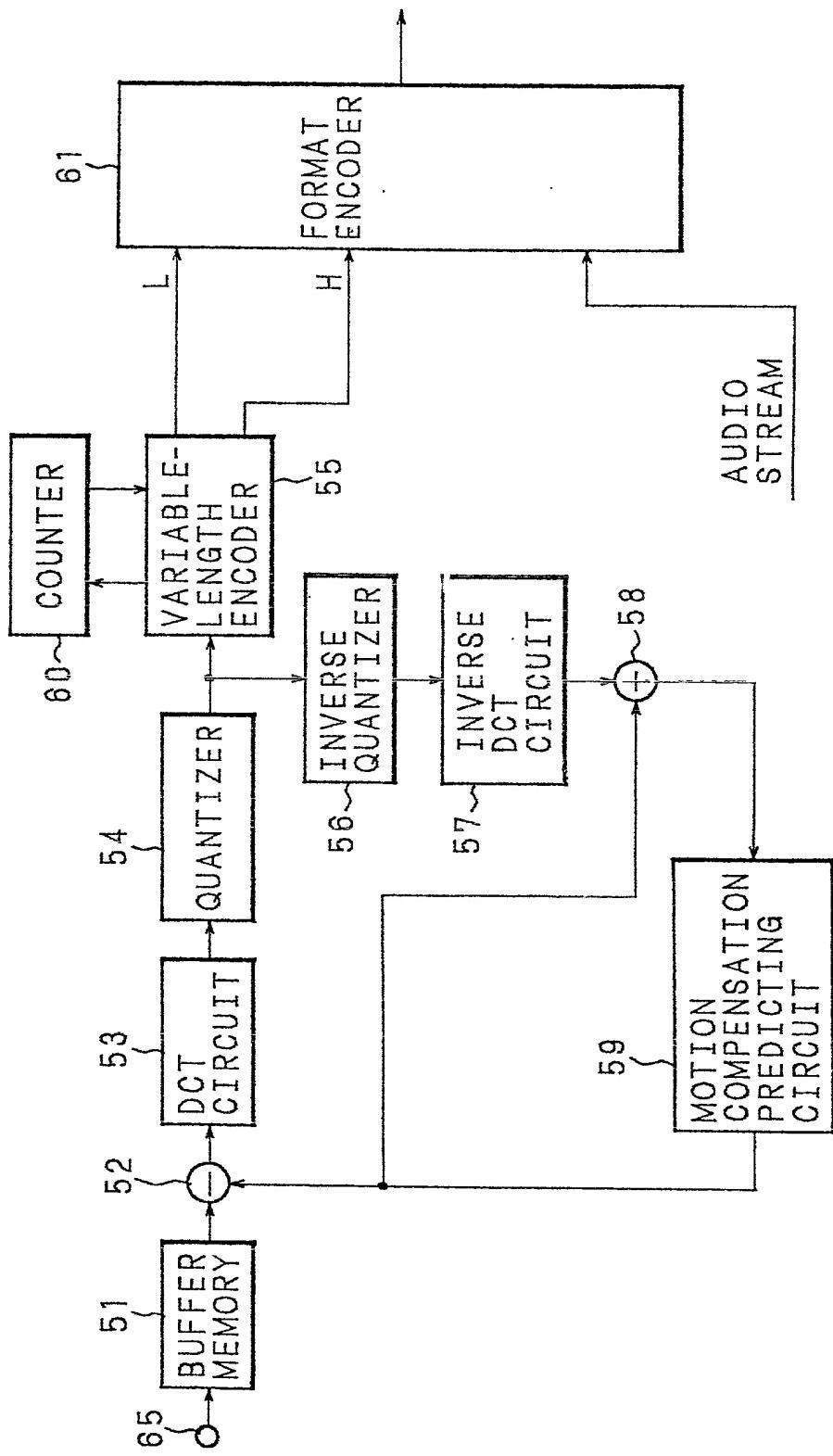
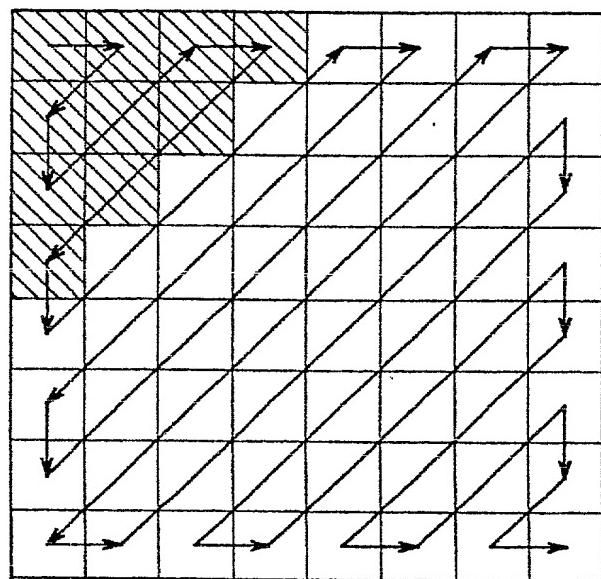


FIG. 38



2025 RELEASE UNDER E.O. 14176

FIG. 39

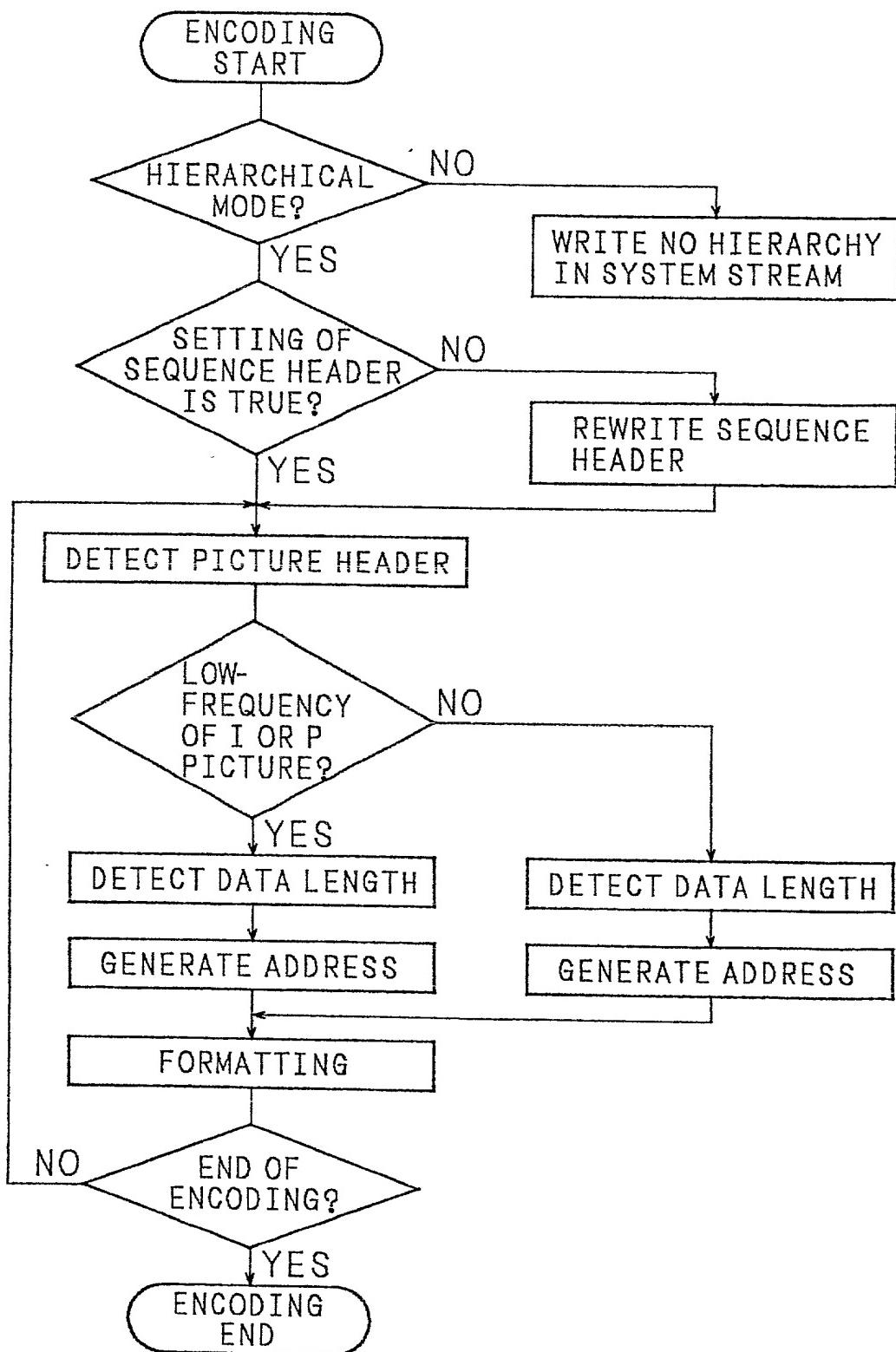


FIG. 40

```
sequence_scalable_extension(){
    extension_start_code_identifier
    scalable_mode
    layer_id
    if(scable_mode=="spatial scalability"){
        lower_layer_prediction_horizontal_size
        maker_bit
        lower_layer_prediction_vertical_size
        horizontal_subsampling_factor_m
        horizontal_subsampling_factor_n
        vertical_subsampling_factor_m
        vertical_subsampling_factor_n
    }
    if(scable_mode=="temporal scalability"){
        picture_mux_enable
        if(picture_mux_enable)
            mux_to_progressive_sequence
        picture_mux_order
        picture_mux_factor
    }
    next_start_code()
}

slice(){
    slice_start_code
    if(vertical_size>2800)
        slice_vertical_position_extension
    if(<sequence_scalable_extention() is present in the bitstream>)
        if(scable_mode=="data partitioning")
            priority_breakpoint
    quantiser_scale_code
    if(nextbits()=='1'){
        intra_slice_flag
        intra_slice
        reserved_bits
        while(nextbits()=='1'){
            extra_bit_slice
            extra_information_slice
        }
    }
    extra_bit_slice
    do{
        macroblock()
    }while(nextbits()!="000 0000 0000 0000 0000")
    next_start_code()
}
```

FIG. 41 A
BITSTREAM IN
NO HIERARCHY

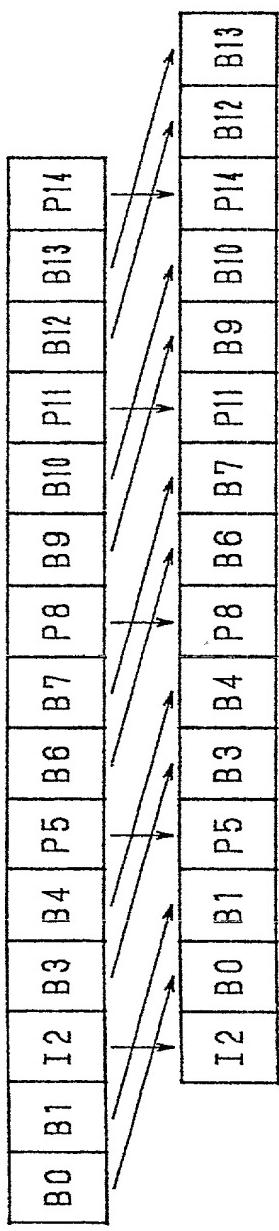


FIG. 41 B
BITSTREAM IN
HIERARCHY

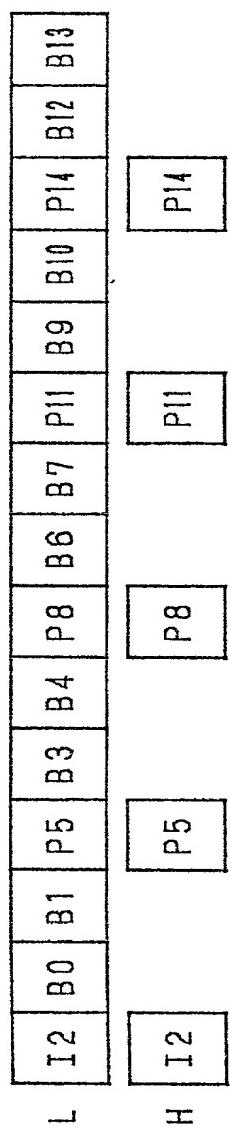


FIG. 41 C
REARRANGED BITSTREAM
IN CONSIDERATION OF
SPECIAL PLAYBACK

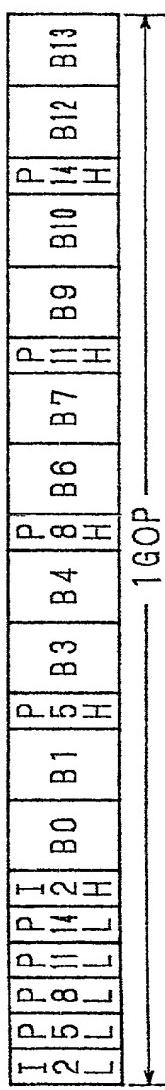


FIG. 41 D
PROGRAM
STREAM
FOR DISC
RECORDING

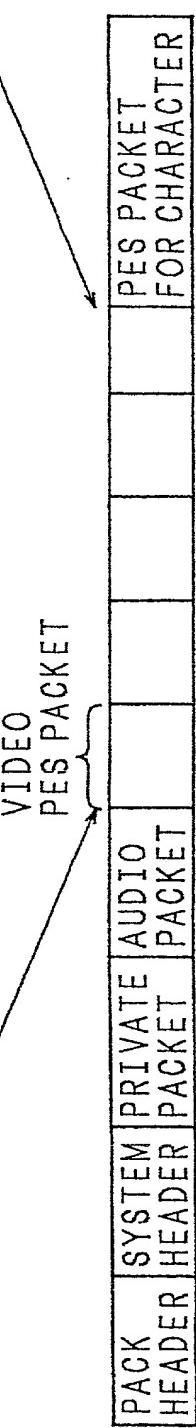


FIG. 42

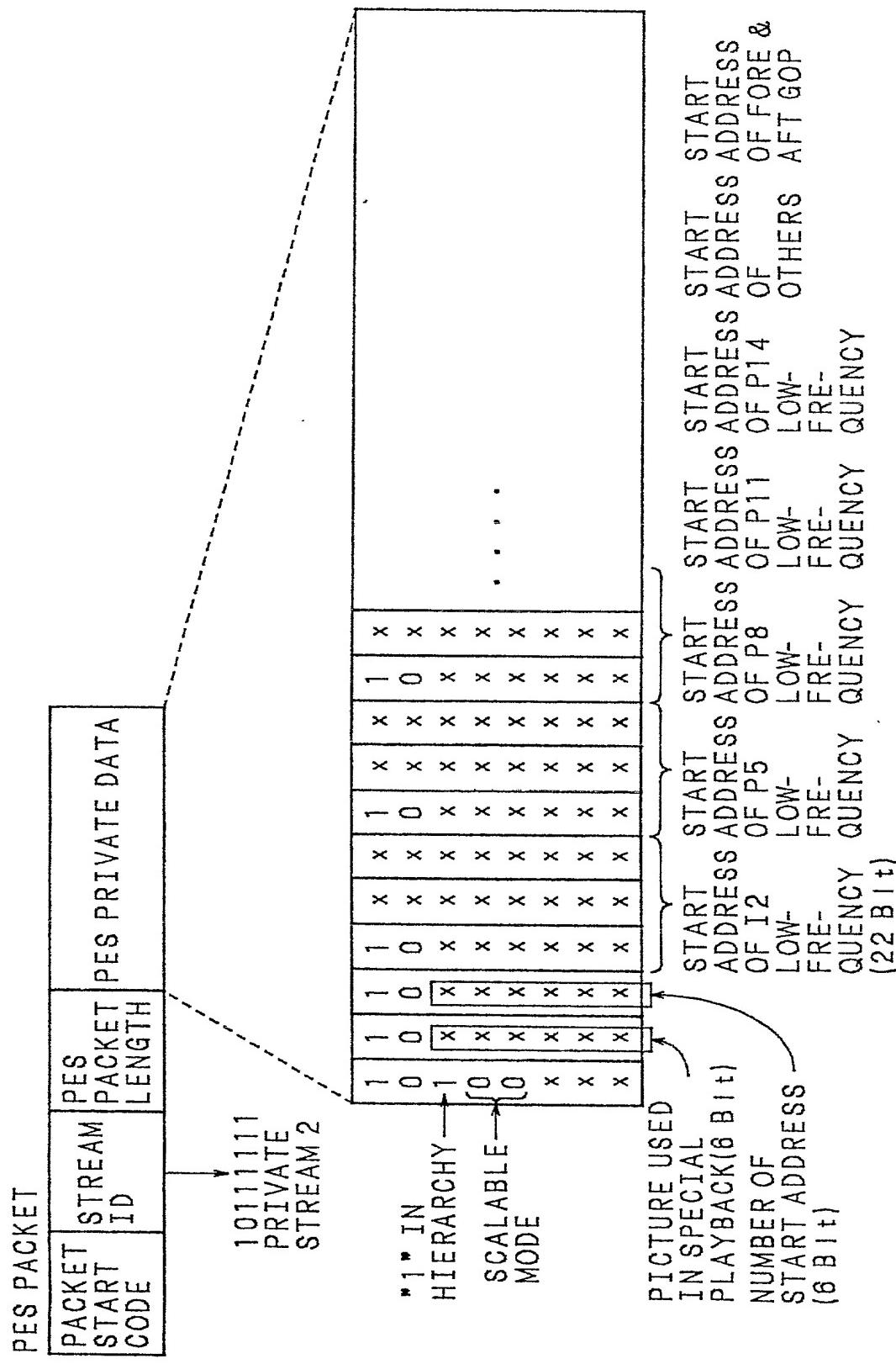


FIG. 43

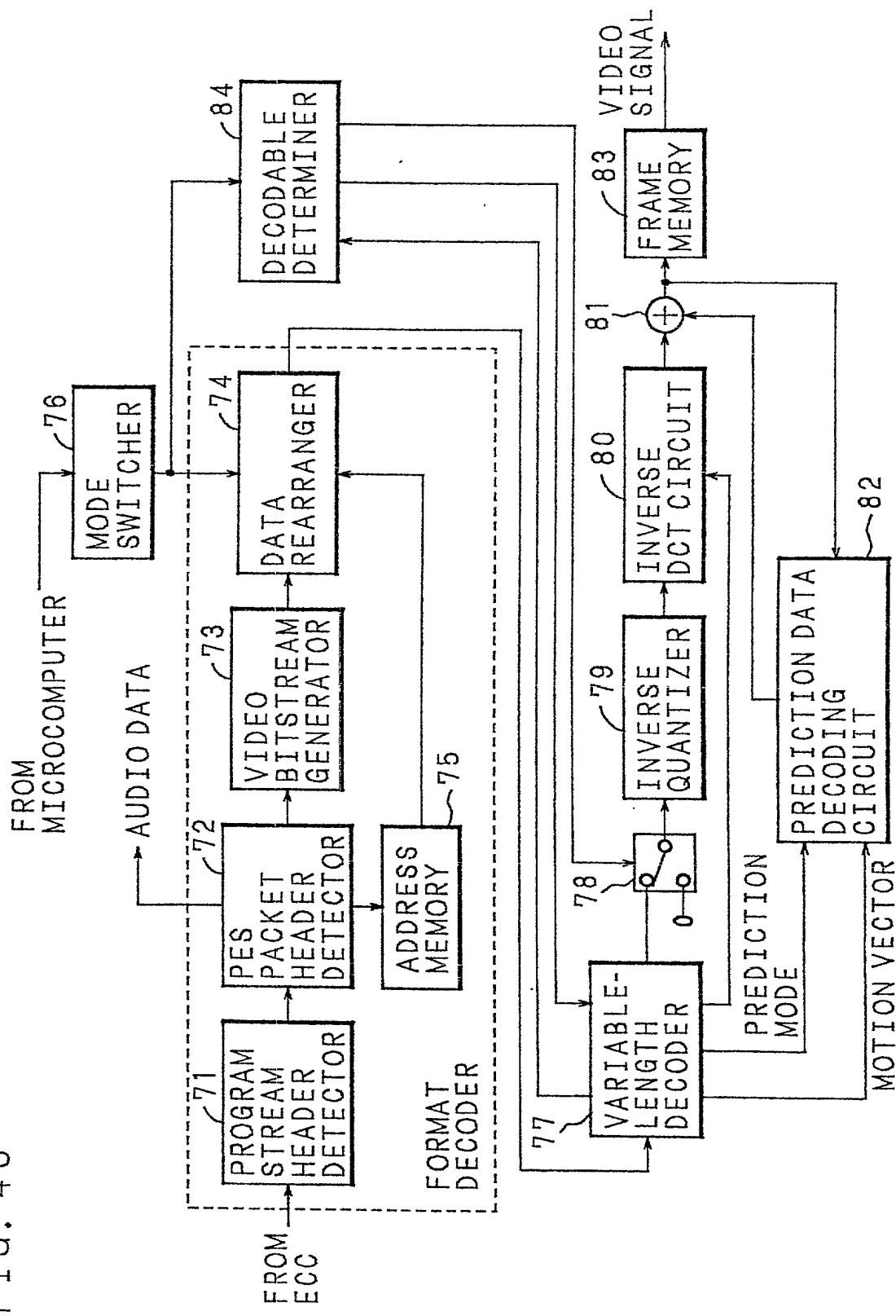


FIG. 44

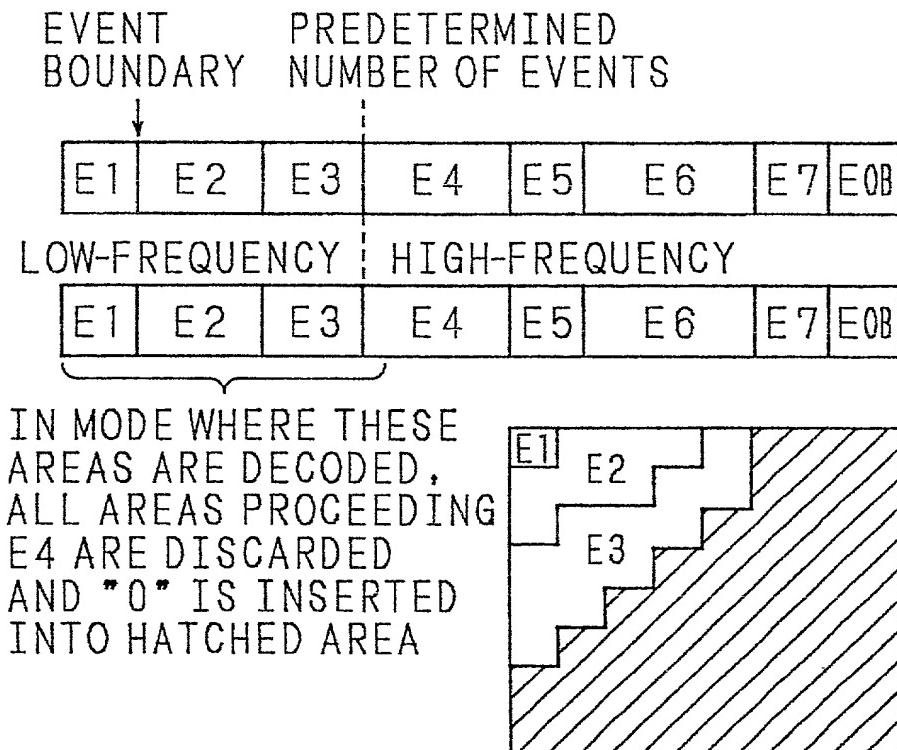


FIG. 45

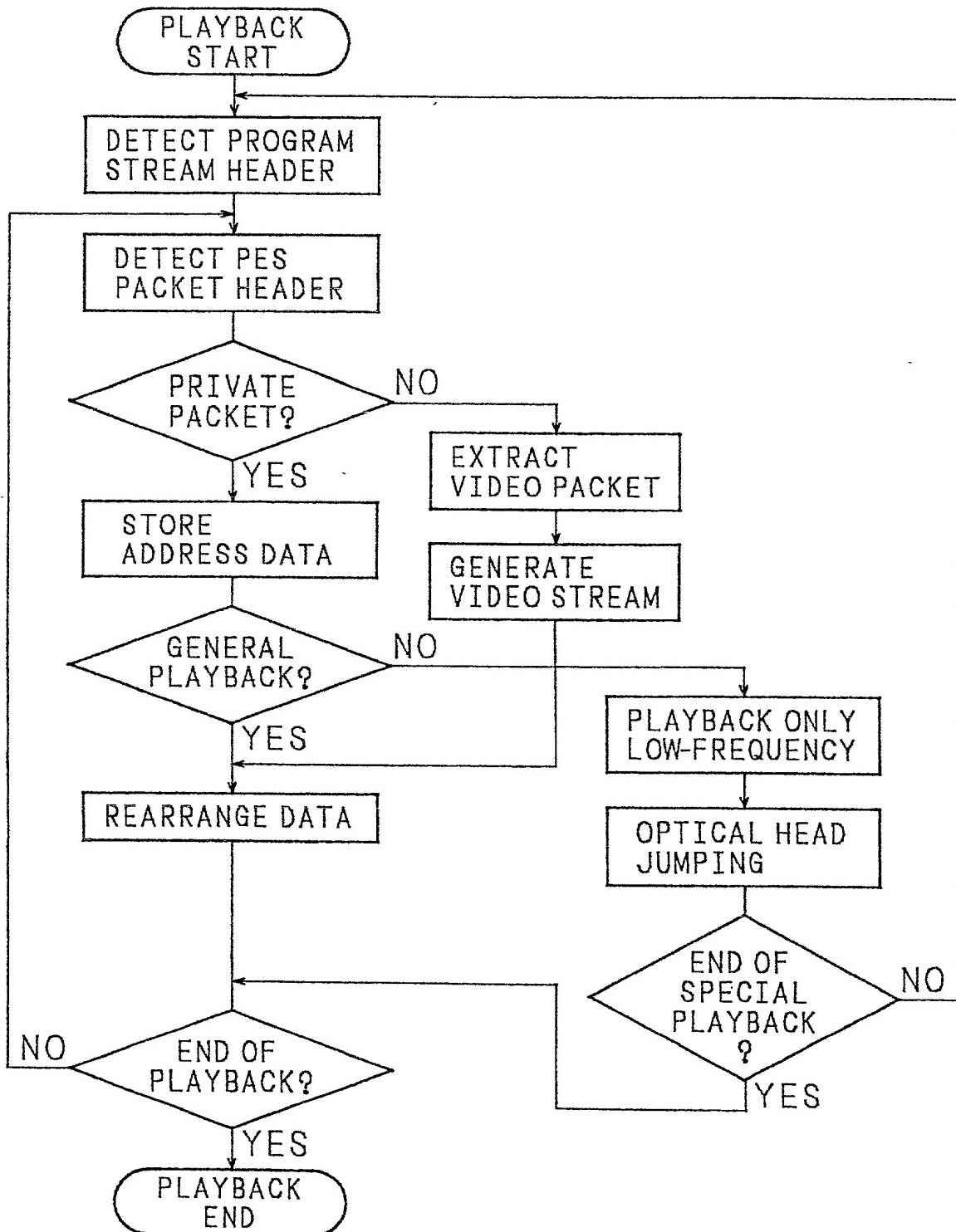


FIG. 46

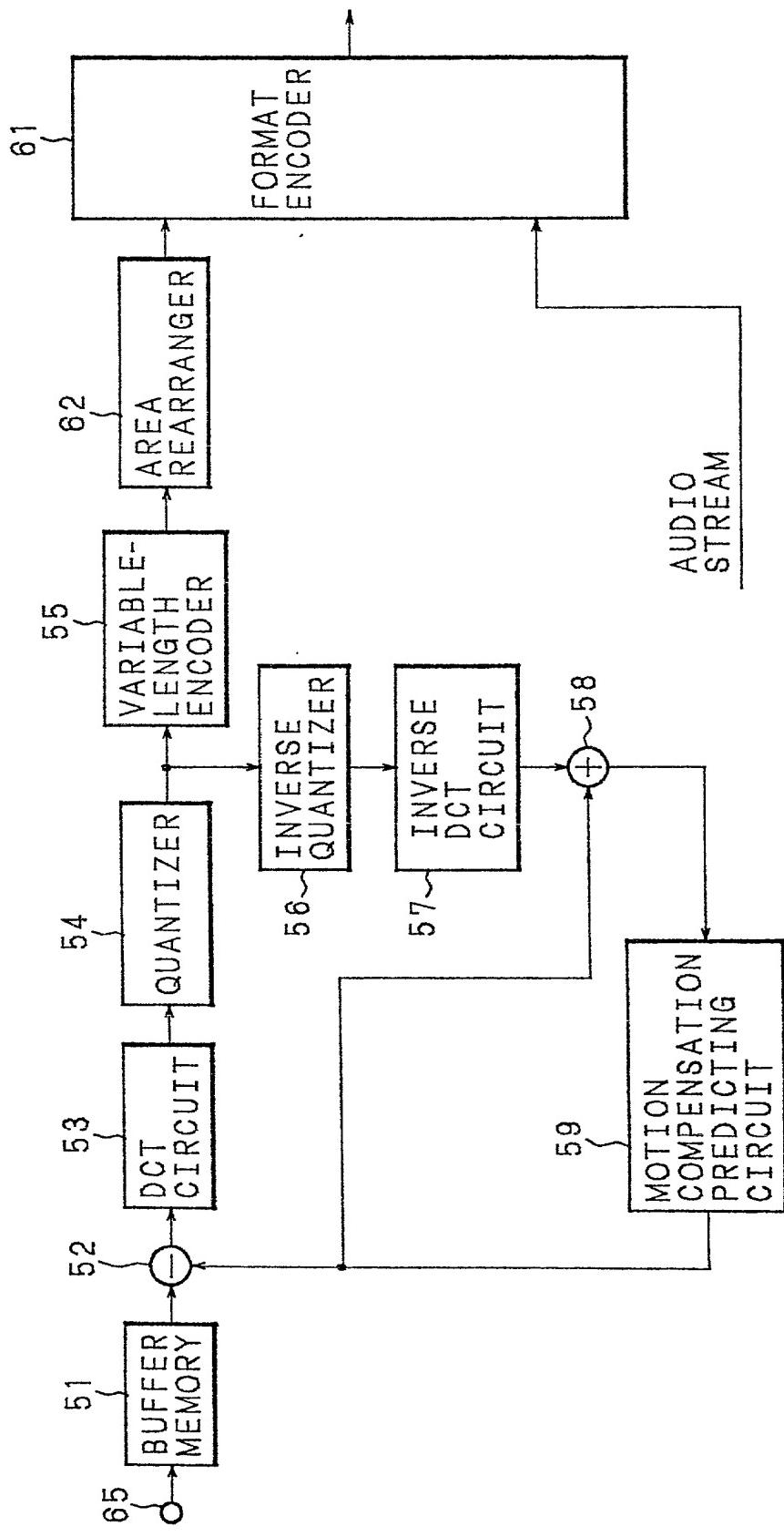


FIG. 47

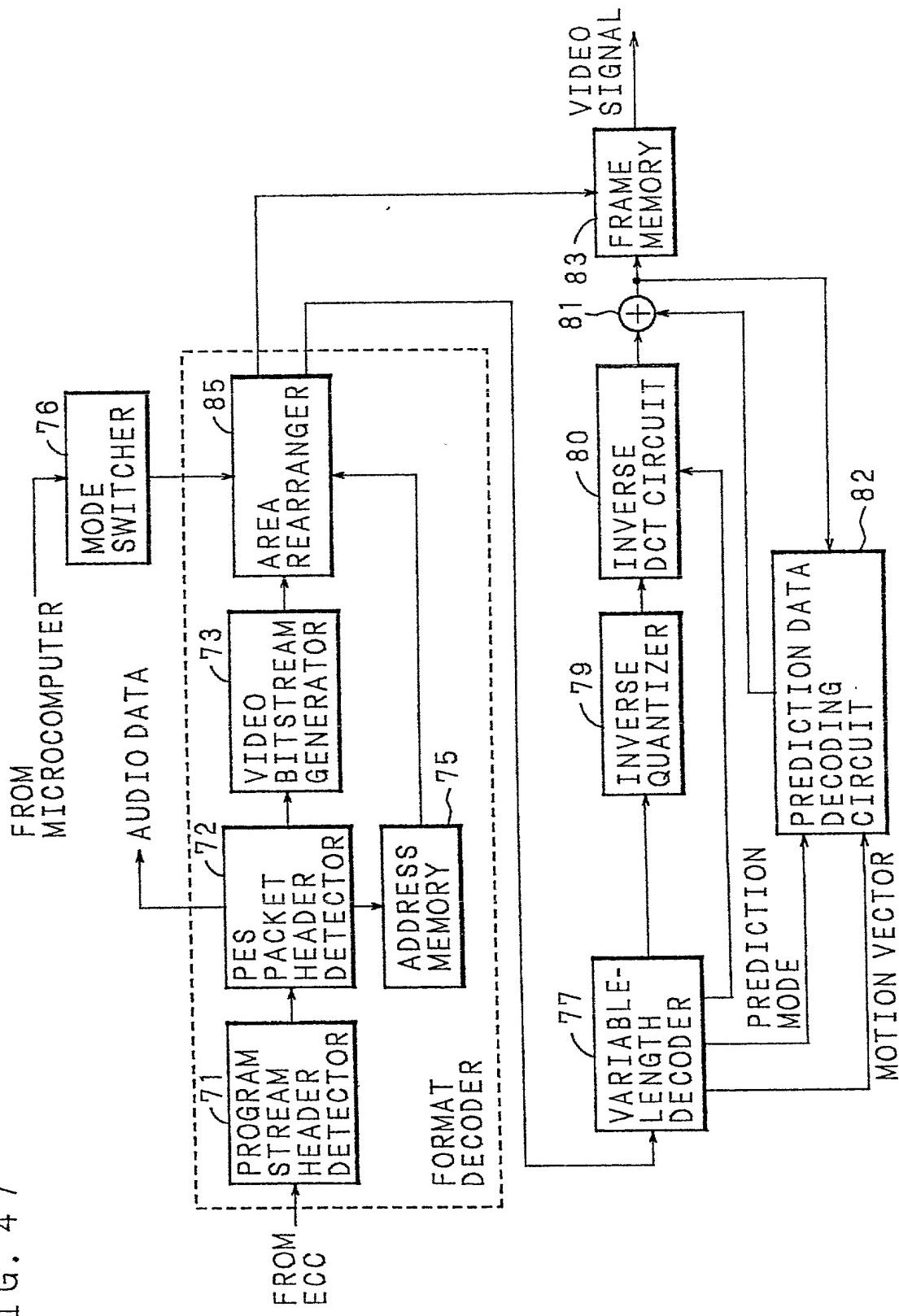


FIG. 48

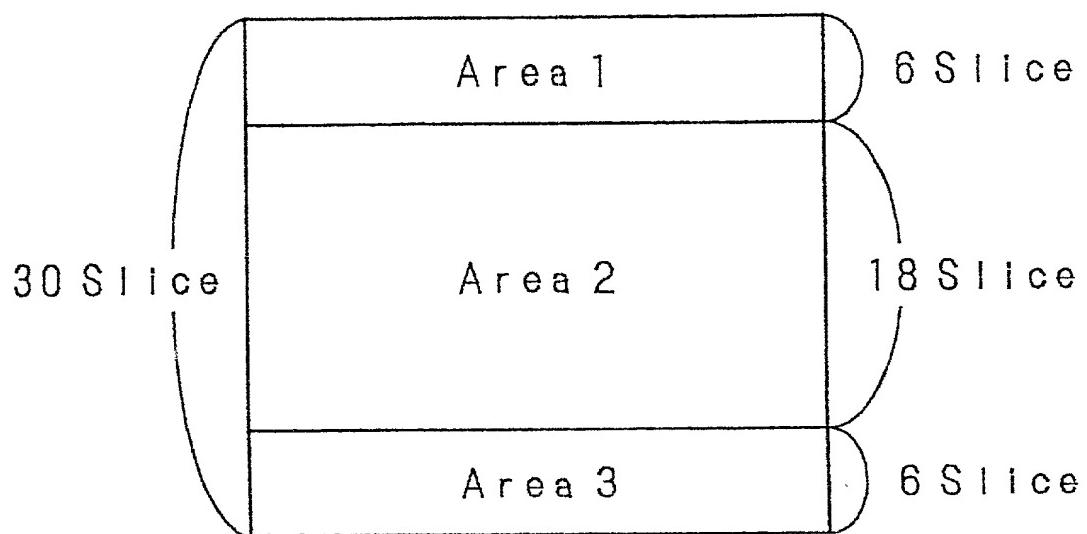


FIG. 49

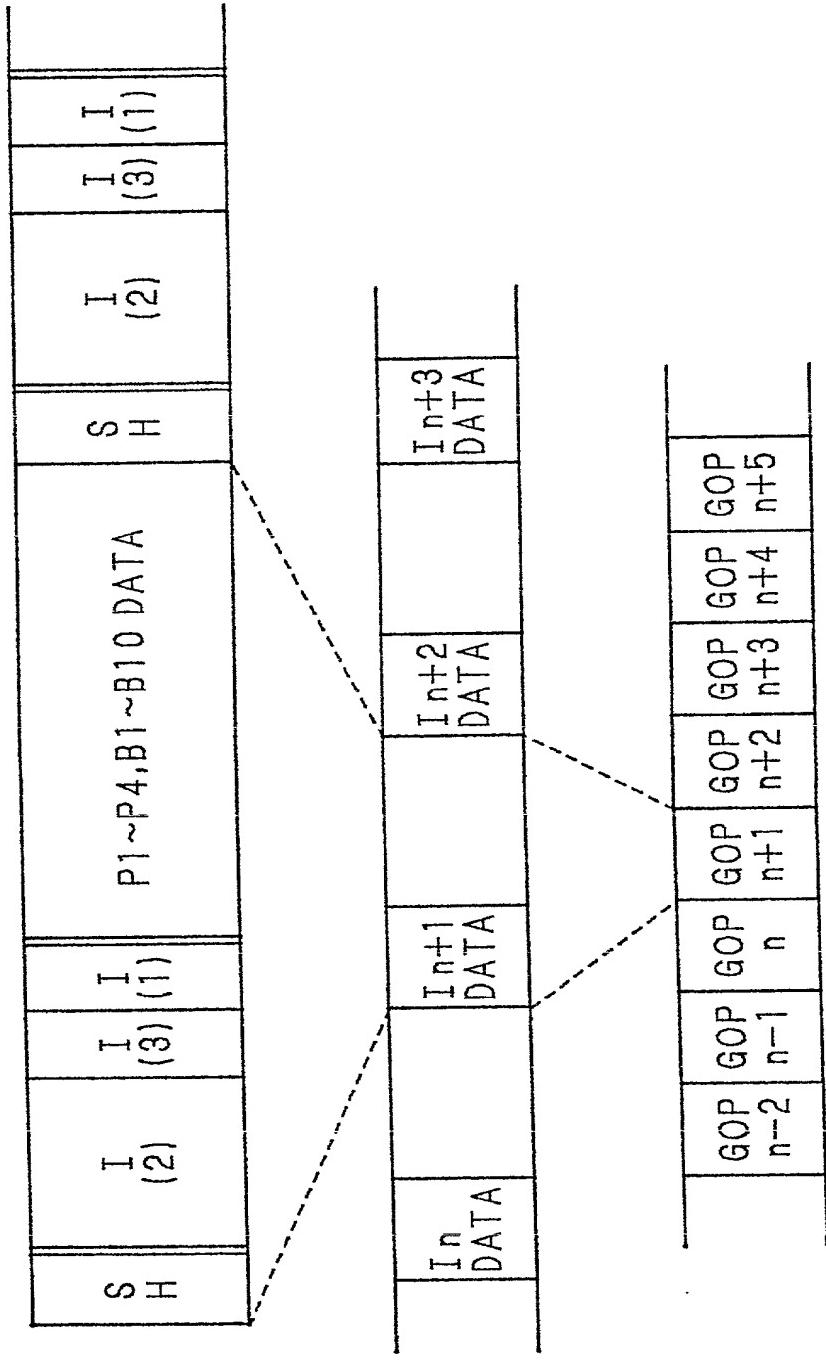


FIG. 50

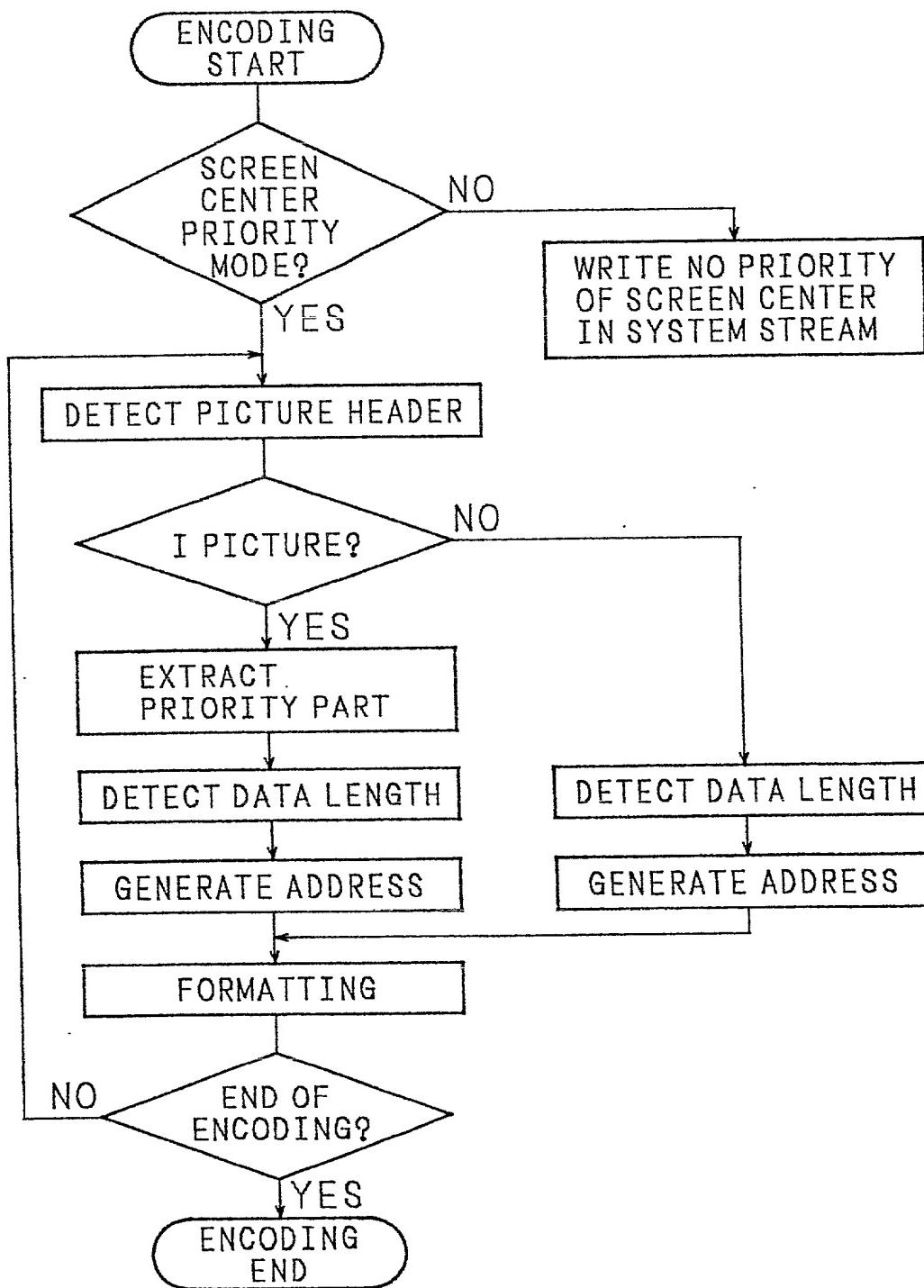


FIG. 51

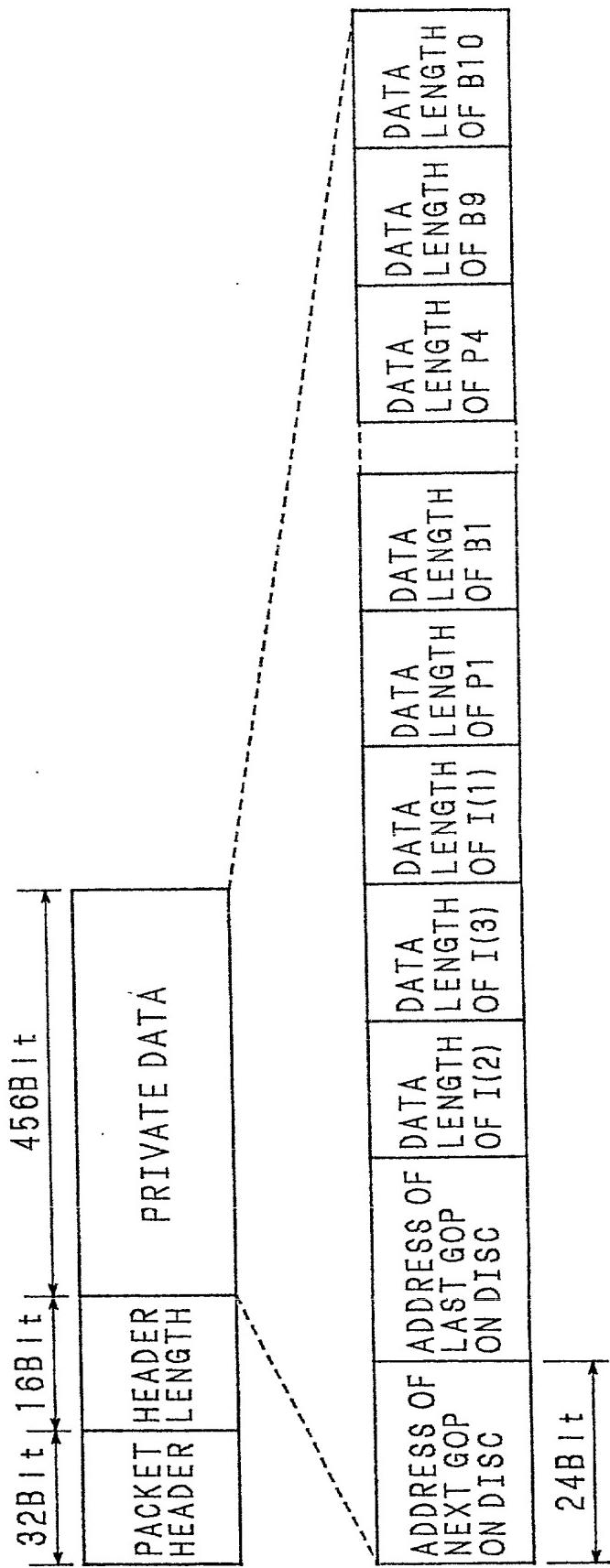


FIG. 52

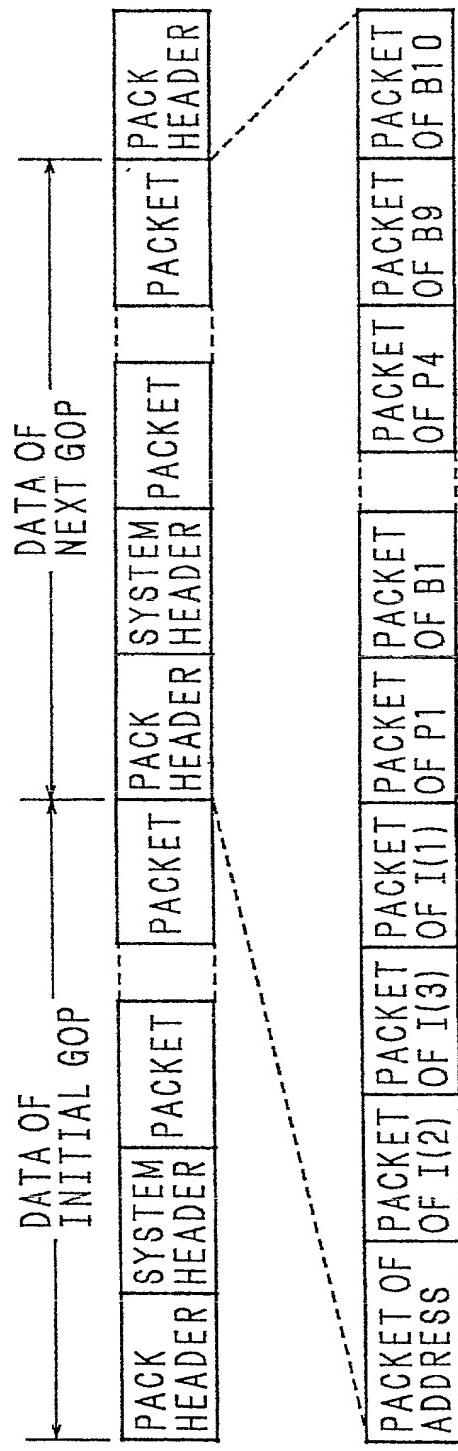


FIG. 53A

FIG. 53B FIG. 53C FIG. 53D FIG. 53E

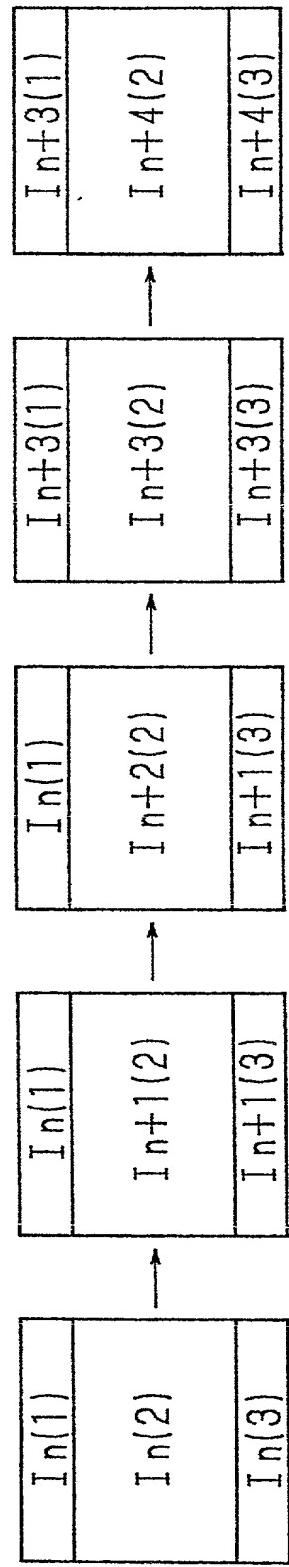
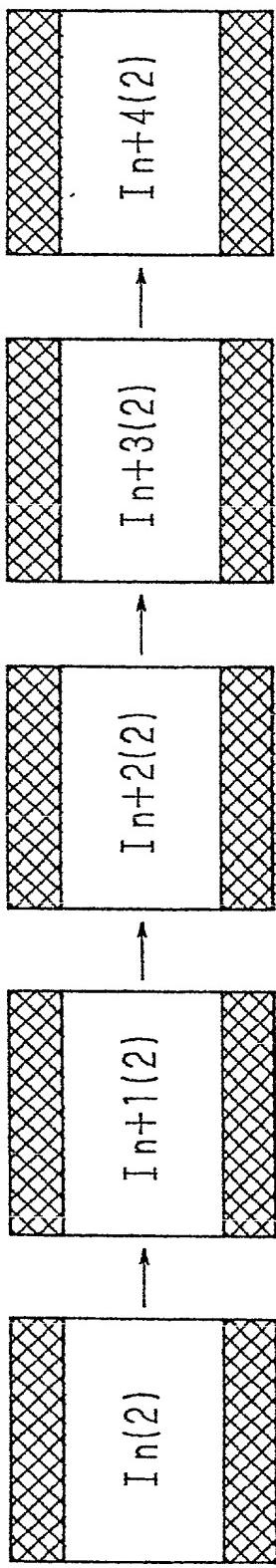


FIG. 54A FIG. 54B FIG. 54C FIG. 54D FIG. 54E



: MASK DATA

FIG. 55A

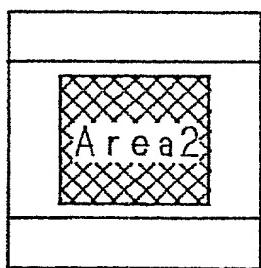


FIG. 55B

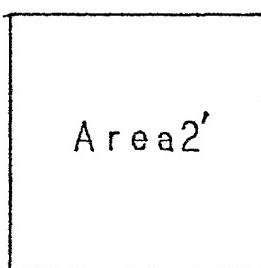


FIG. 56

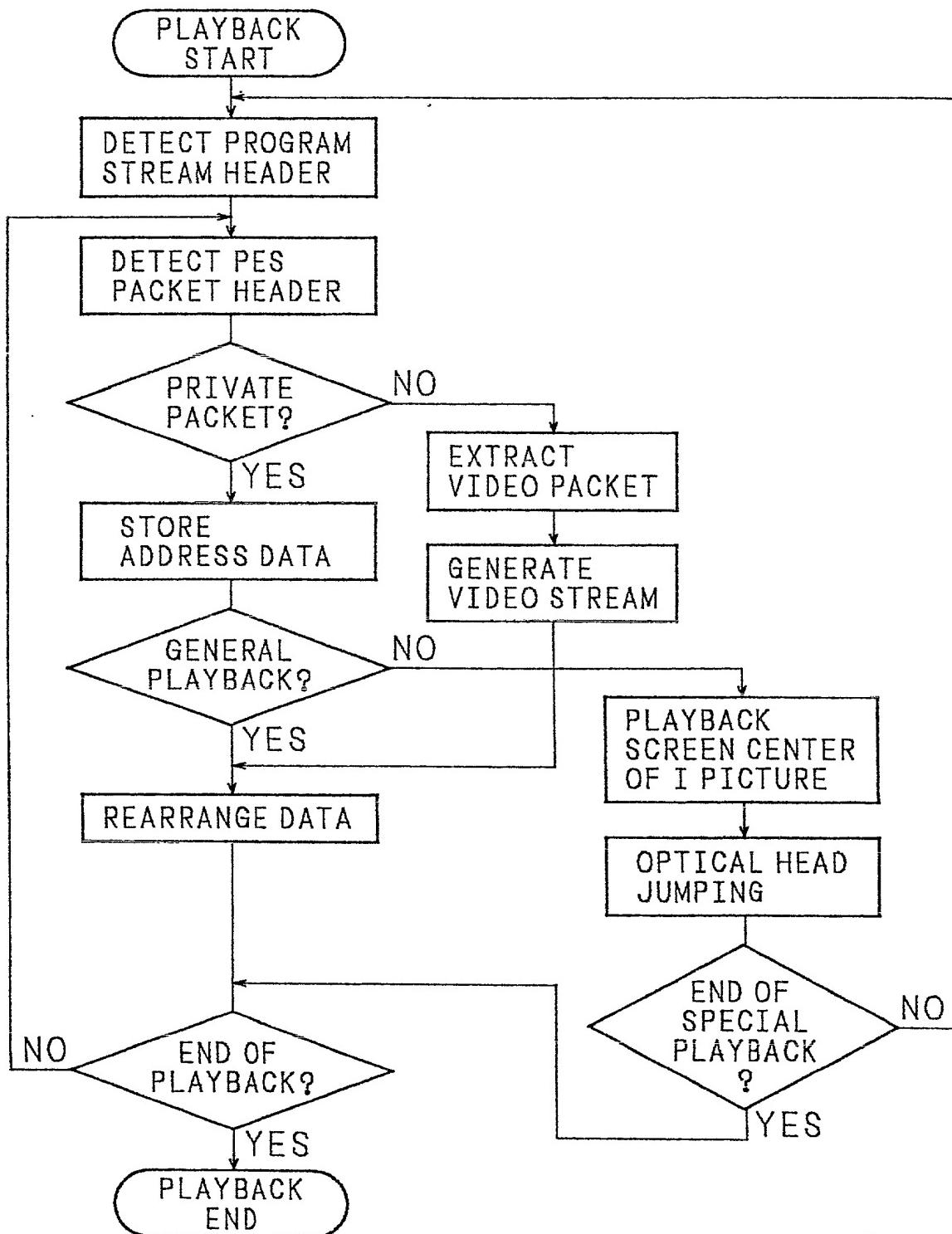


FIG. 57

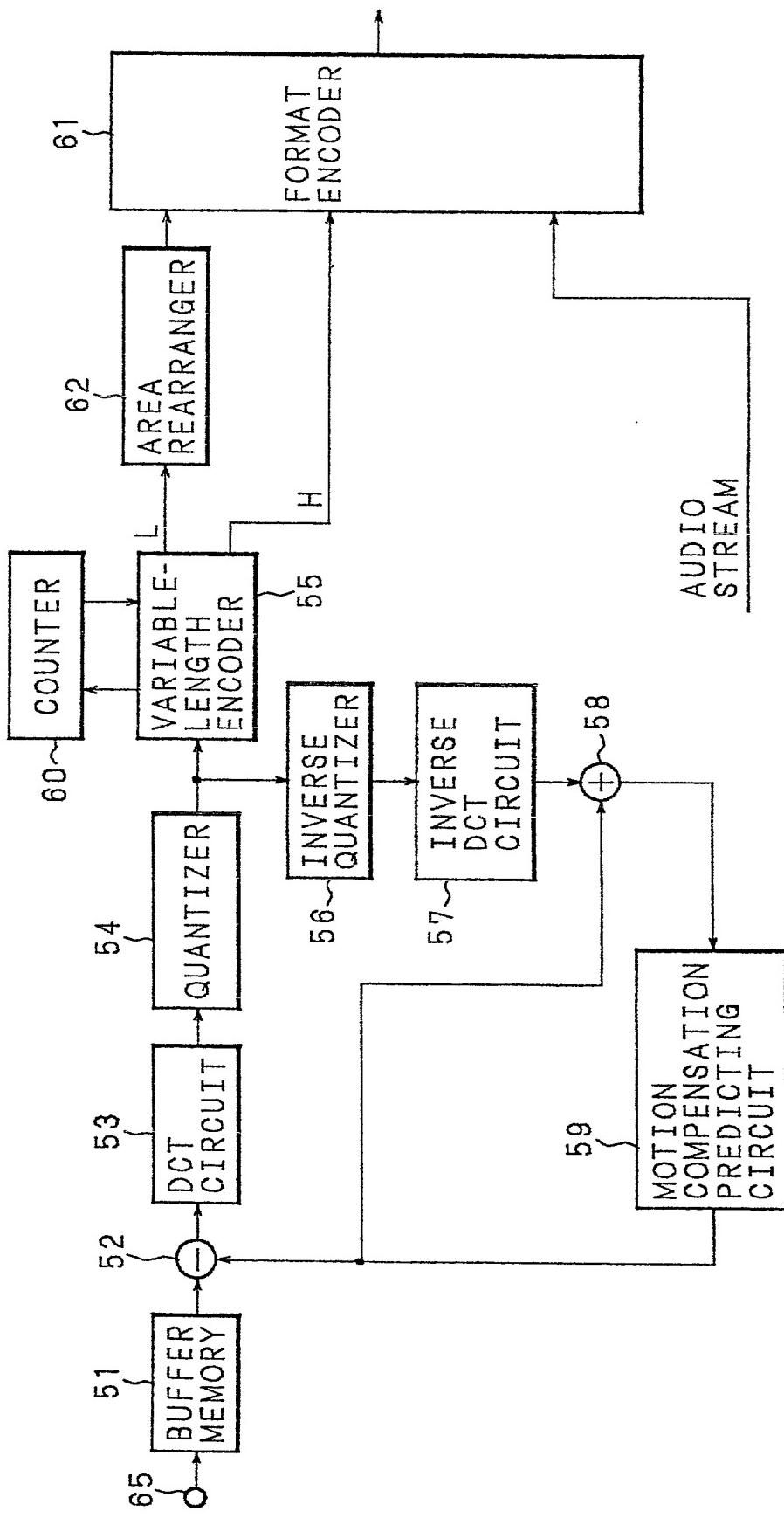


FIG. 58

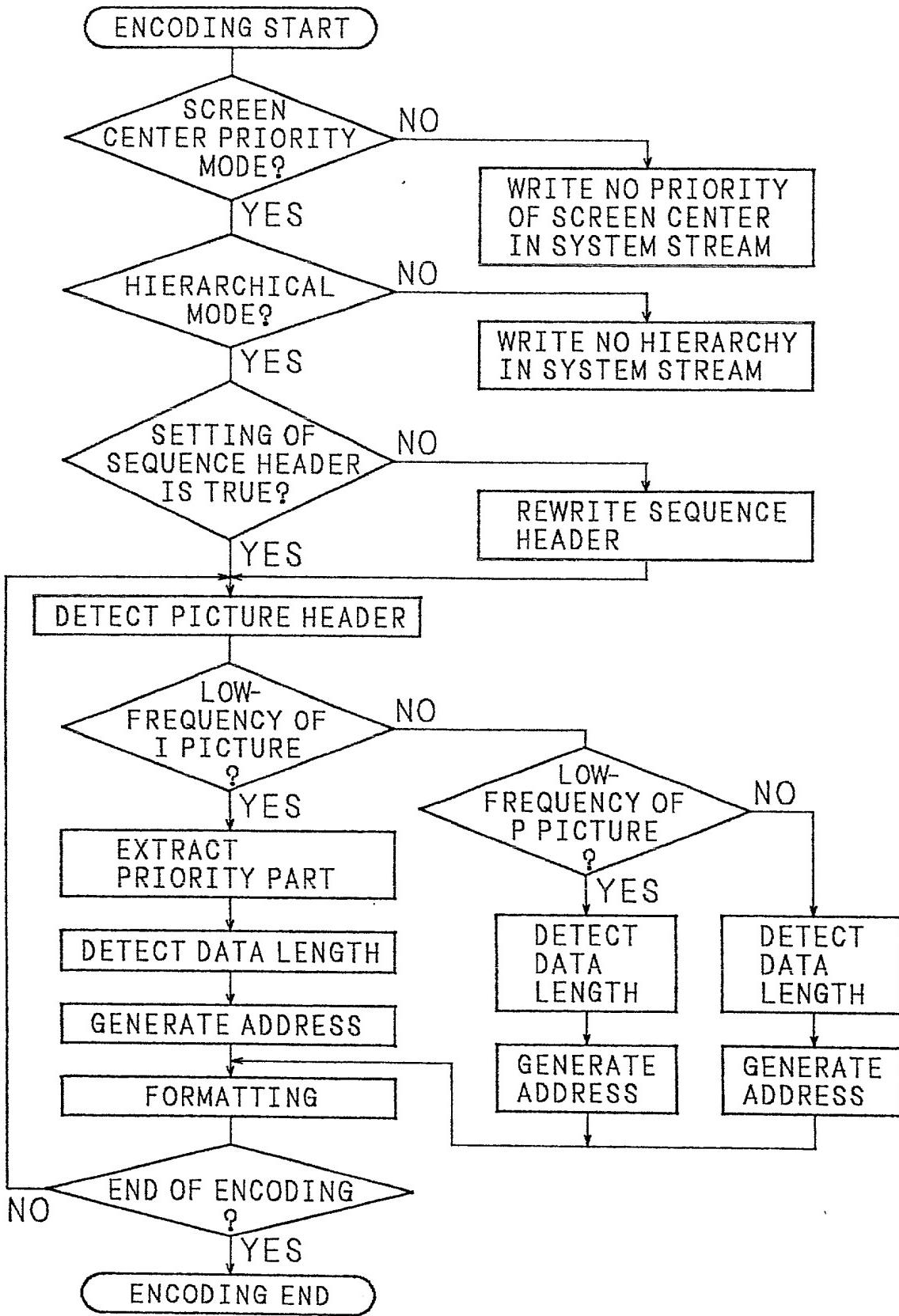


FIG. 59 A
BITSTREAM IN
NO HIERARCHY

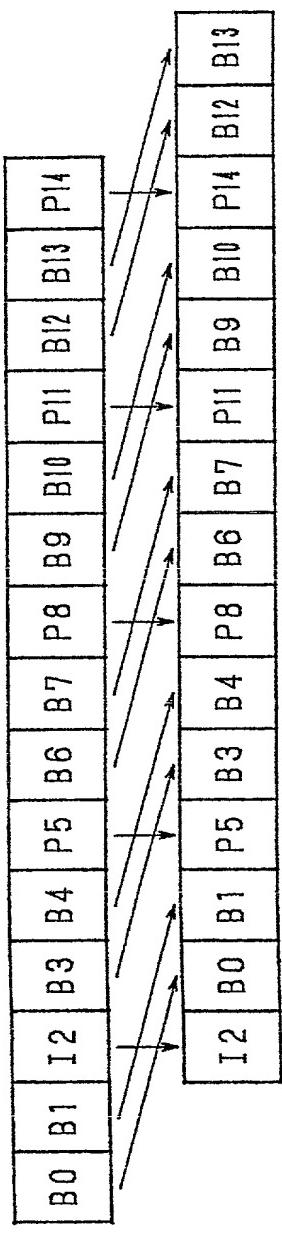


FIG. 59 B
BITSTREAM IN
HIERARCHY

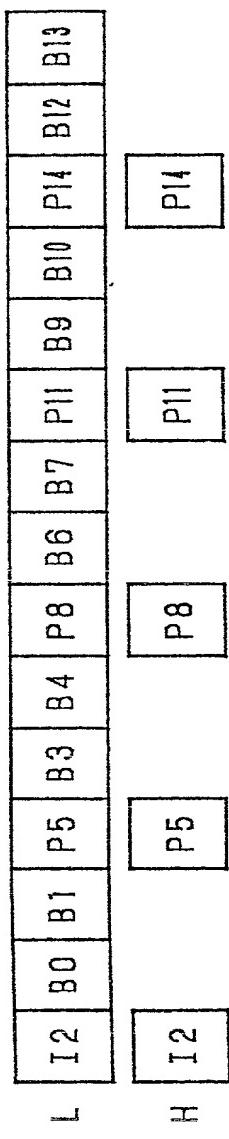


FIG. 59 C
REARRANGED BITSTREAM
IN CONSIDERATION OF
SPECIAL PLAYBACK
SCREEN
CENTER
OF I2L

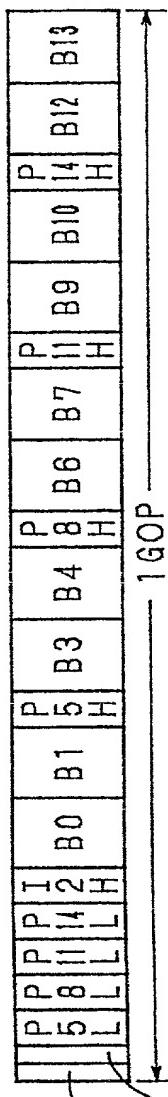


FIG. 59 D
PROGRAM
STREAM
FOR DISC
RECORDING

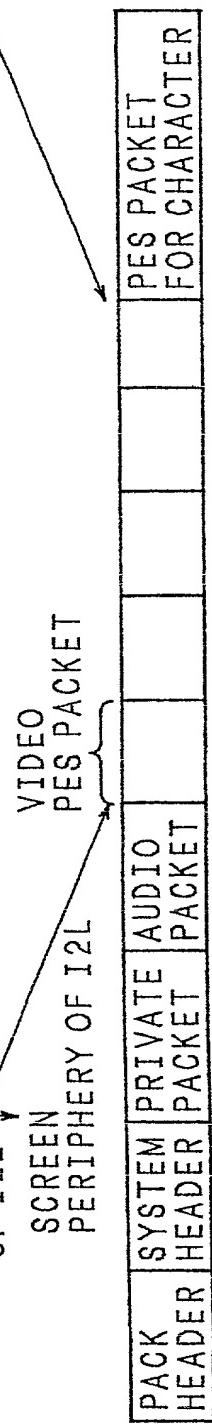


FIG. 60

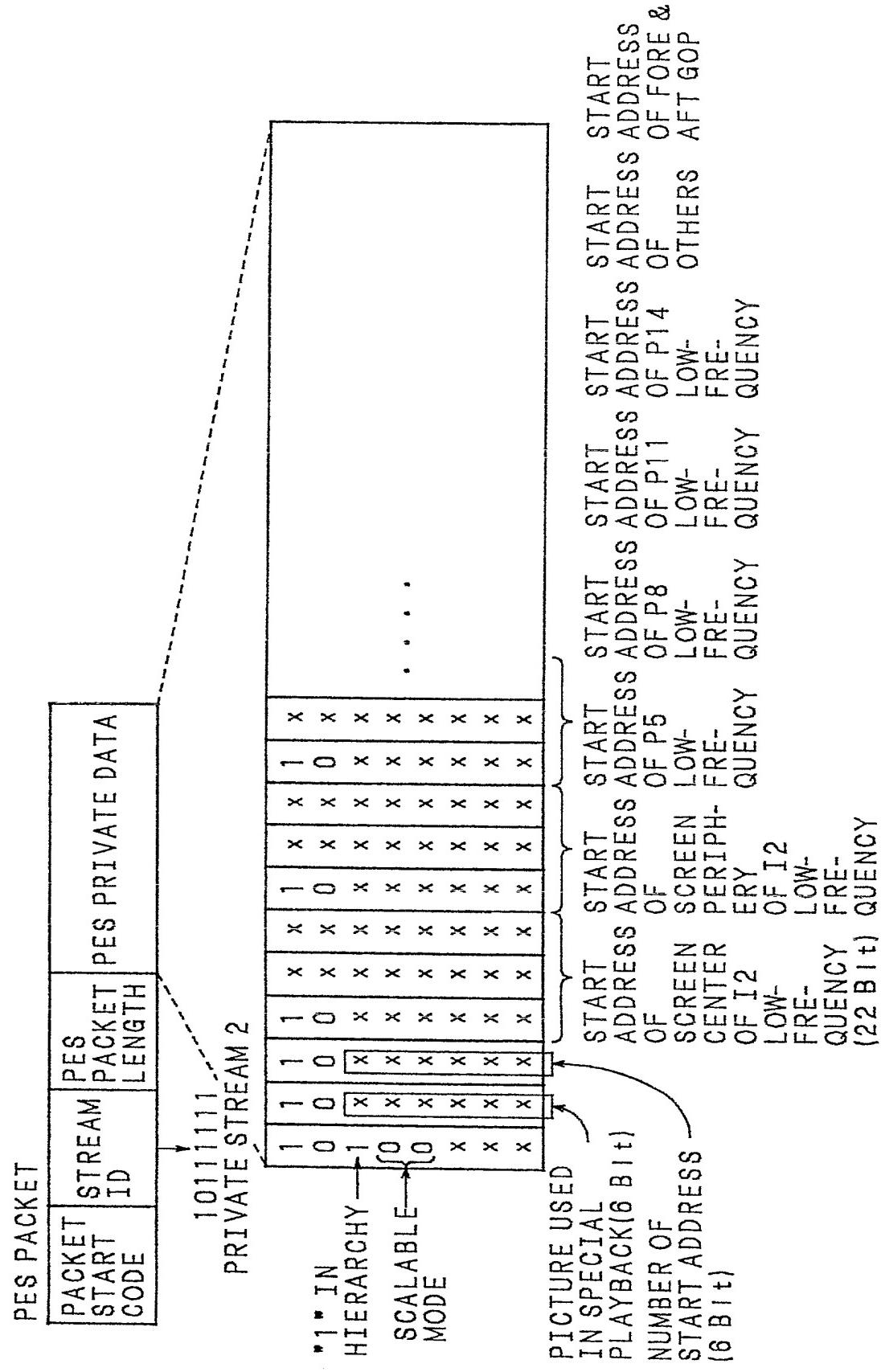


FIG. 61

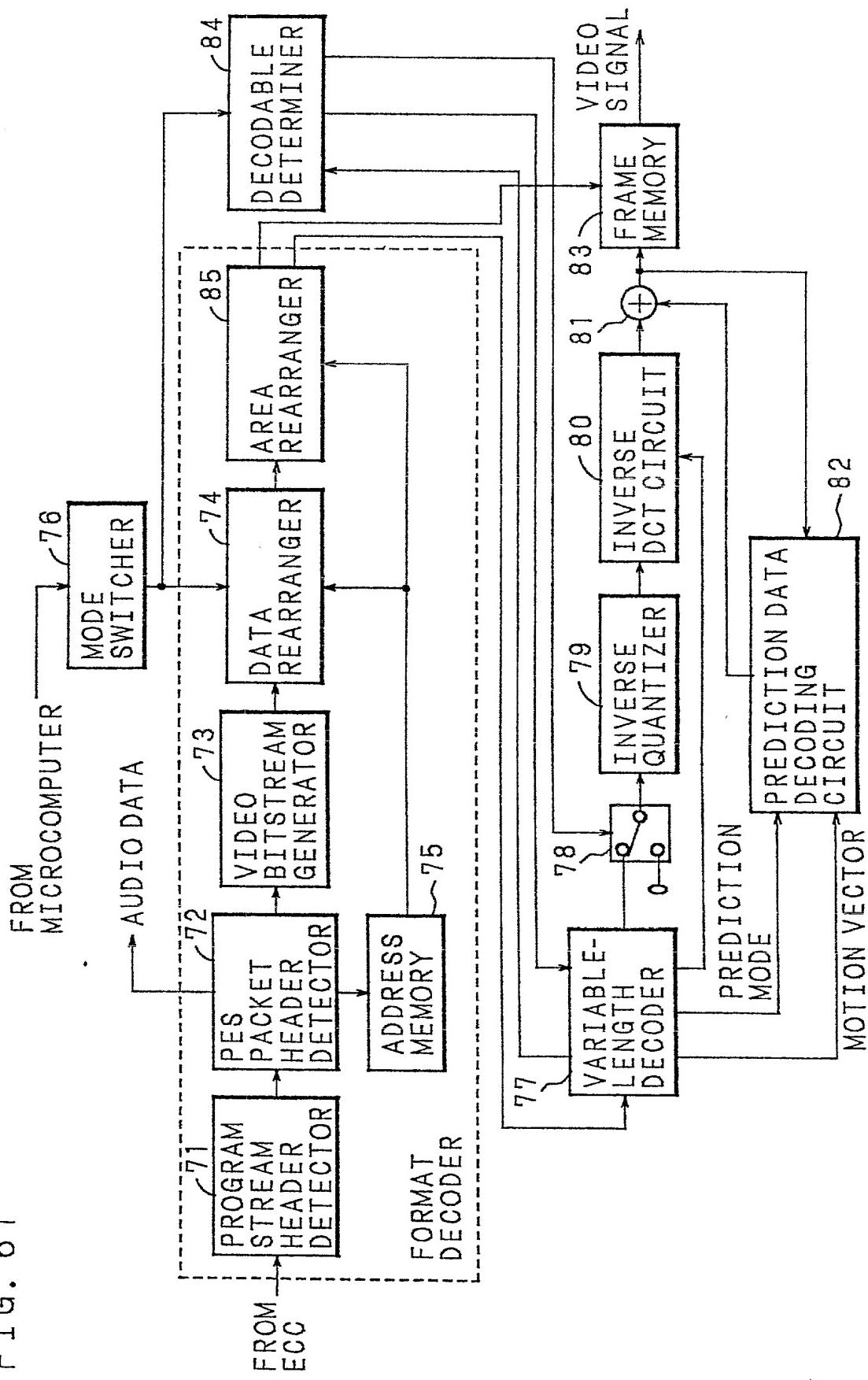


FIG. 62

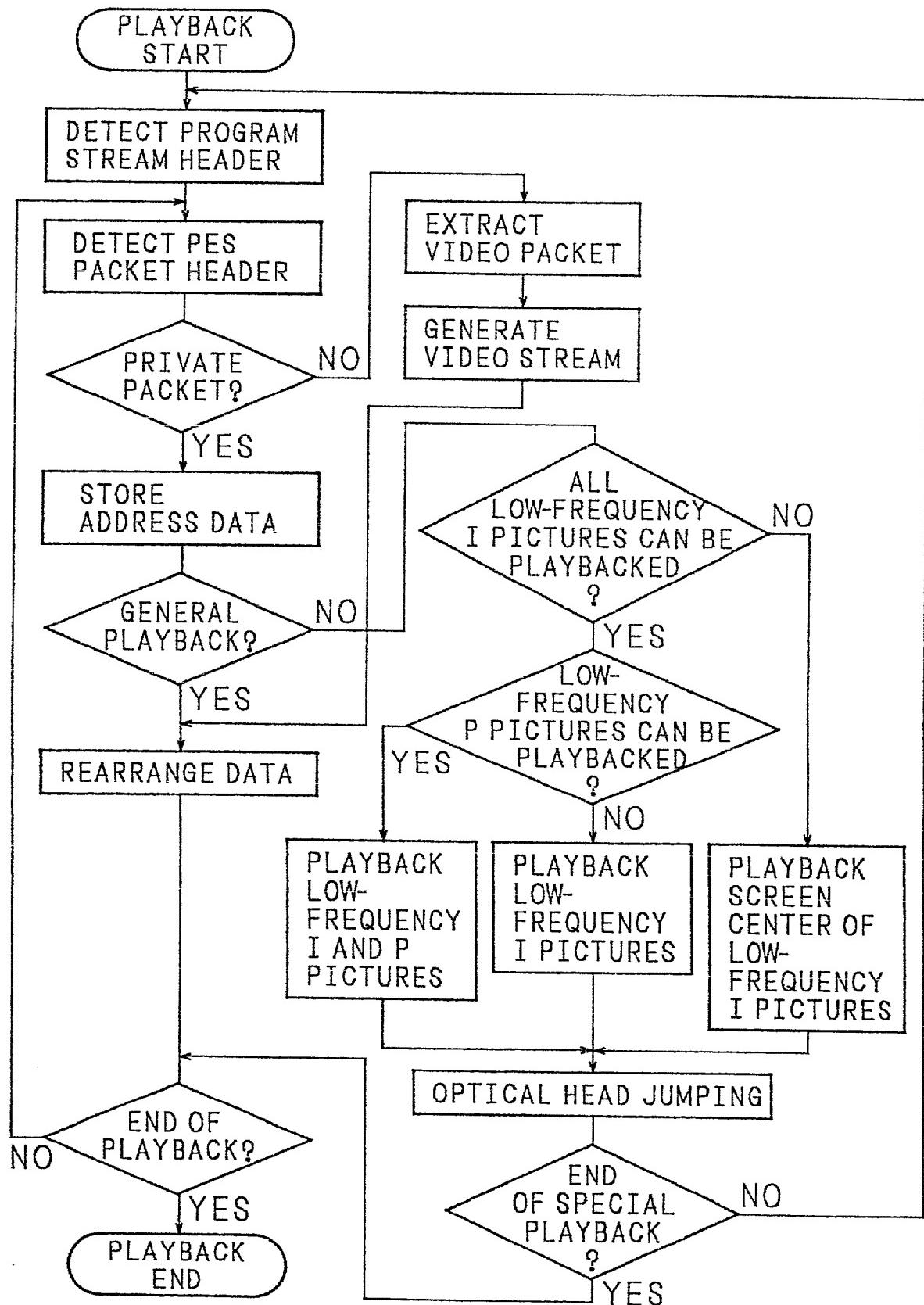


FIG. 63

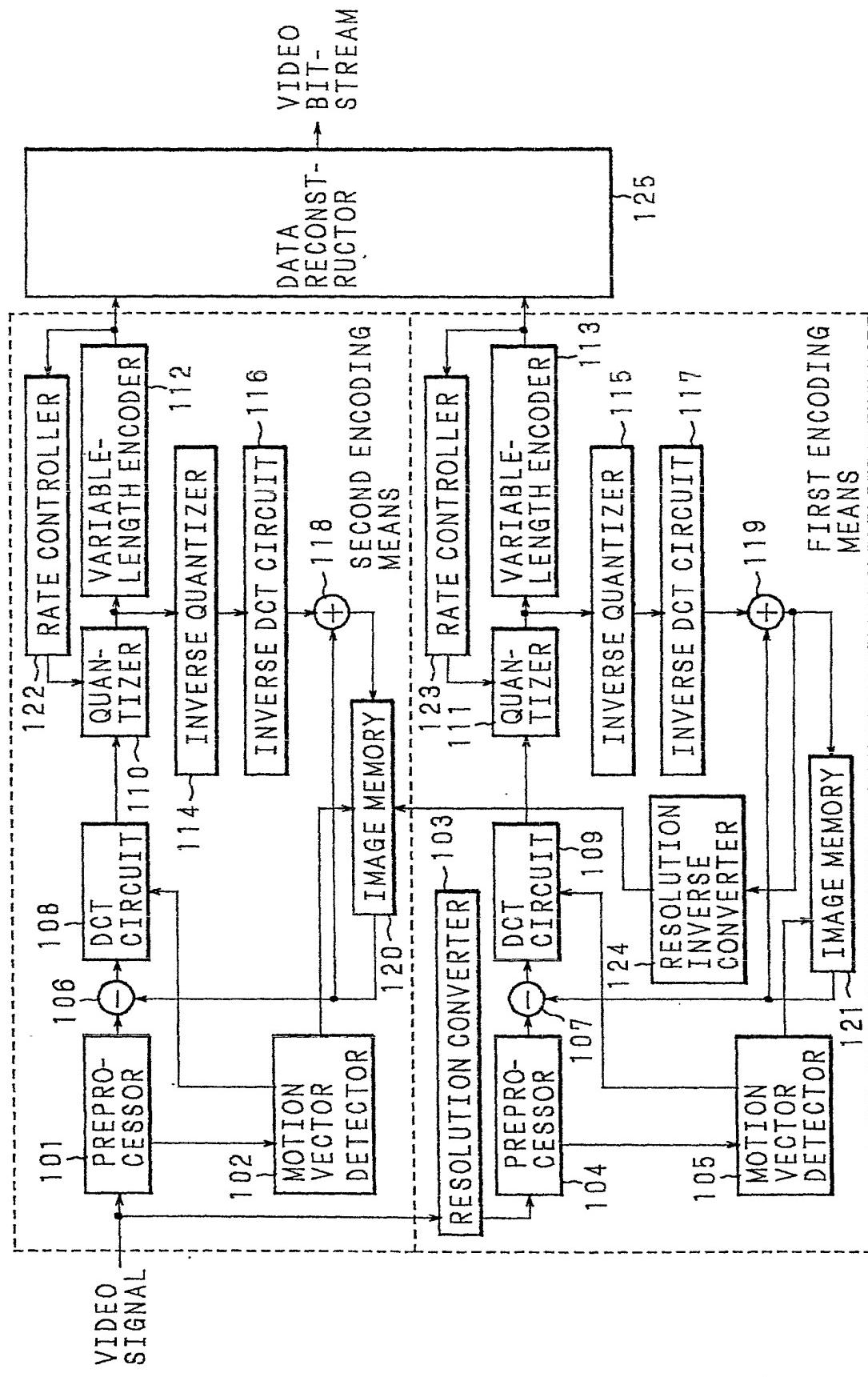
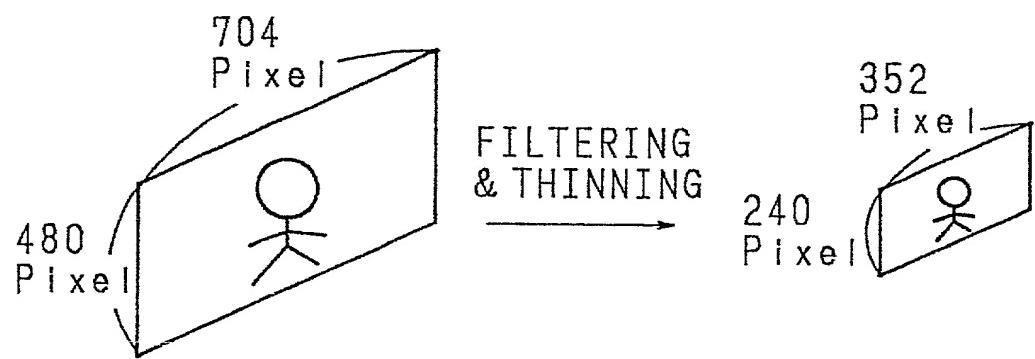


FIG. 64



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FIG. 65

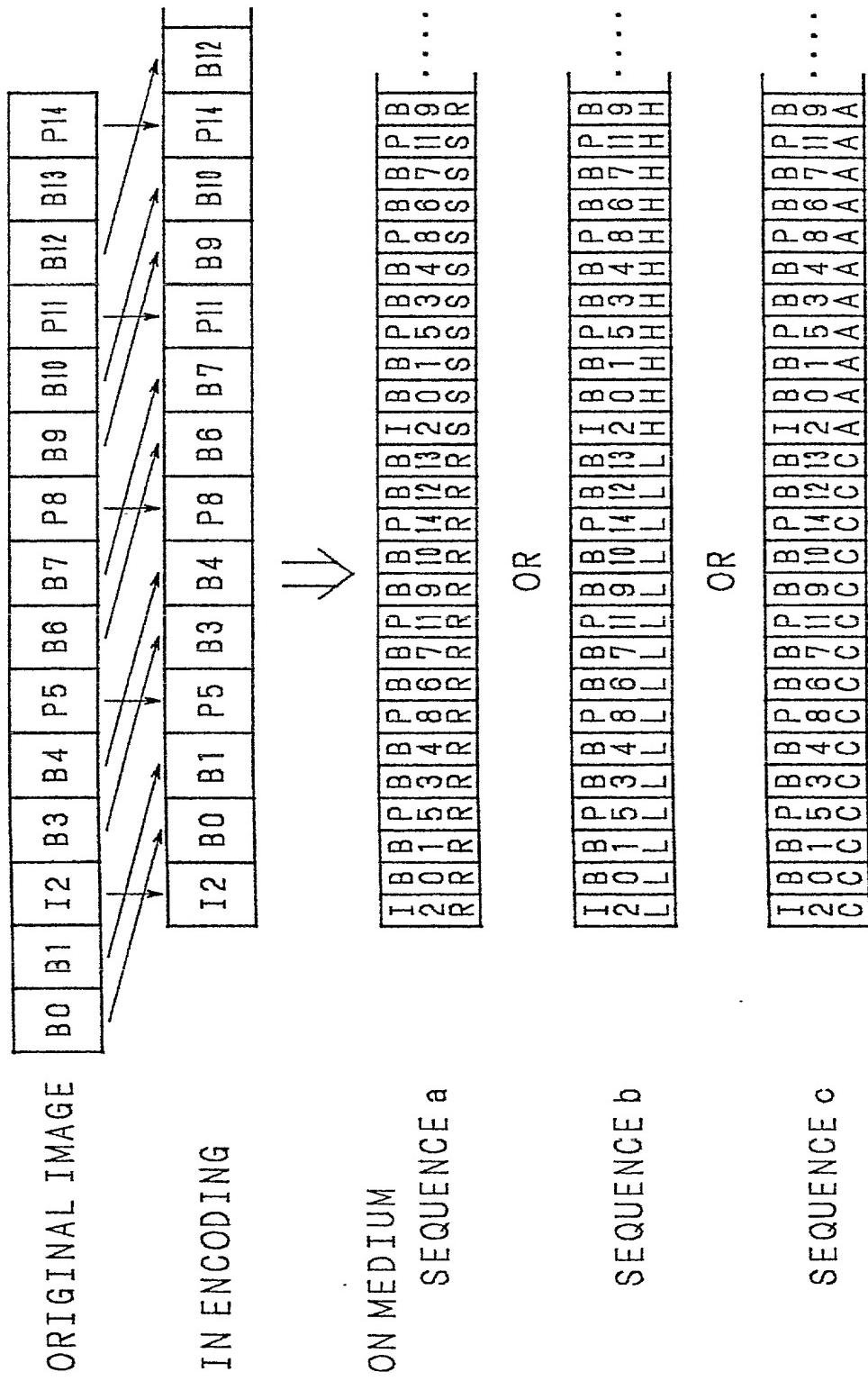


FIG. 66

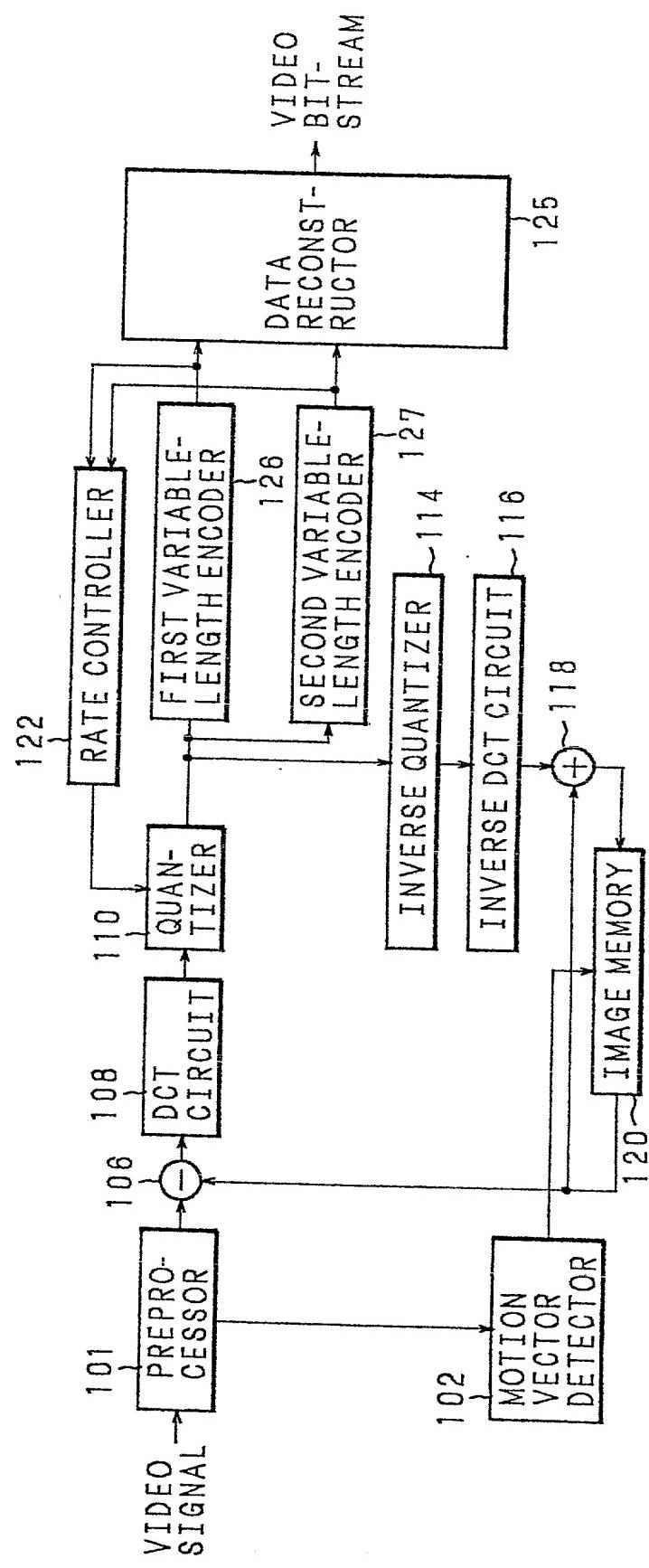


FIG. 67

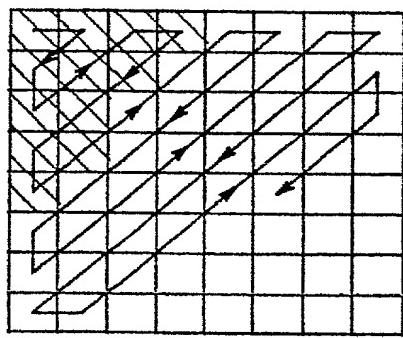


FIG. 68

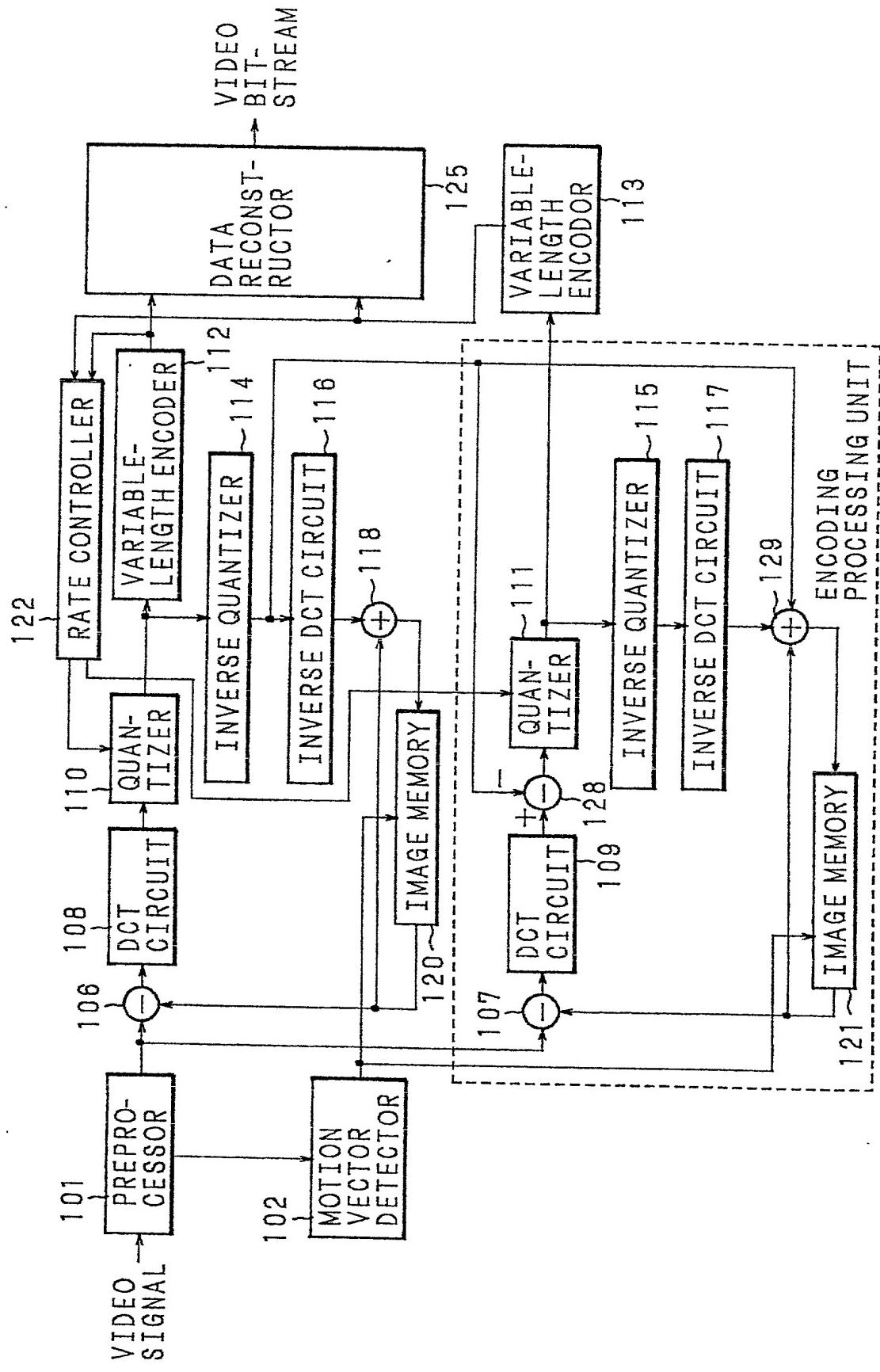


FIG. 69

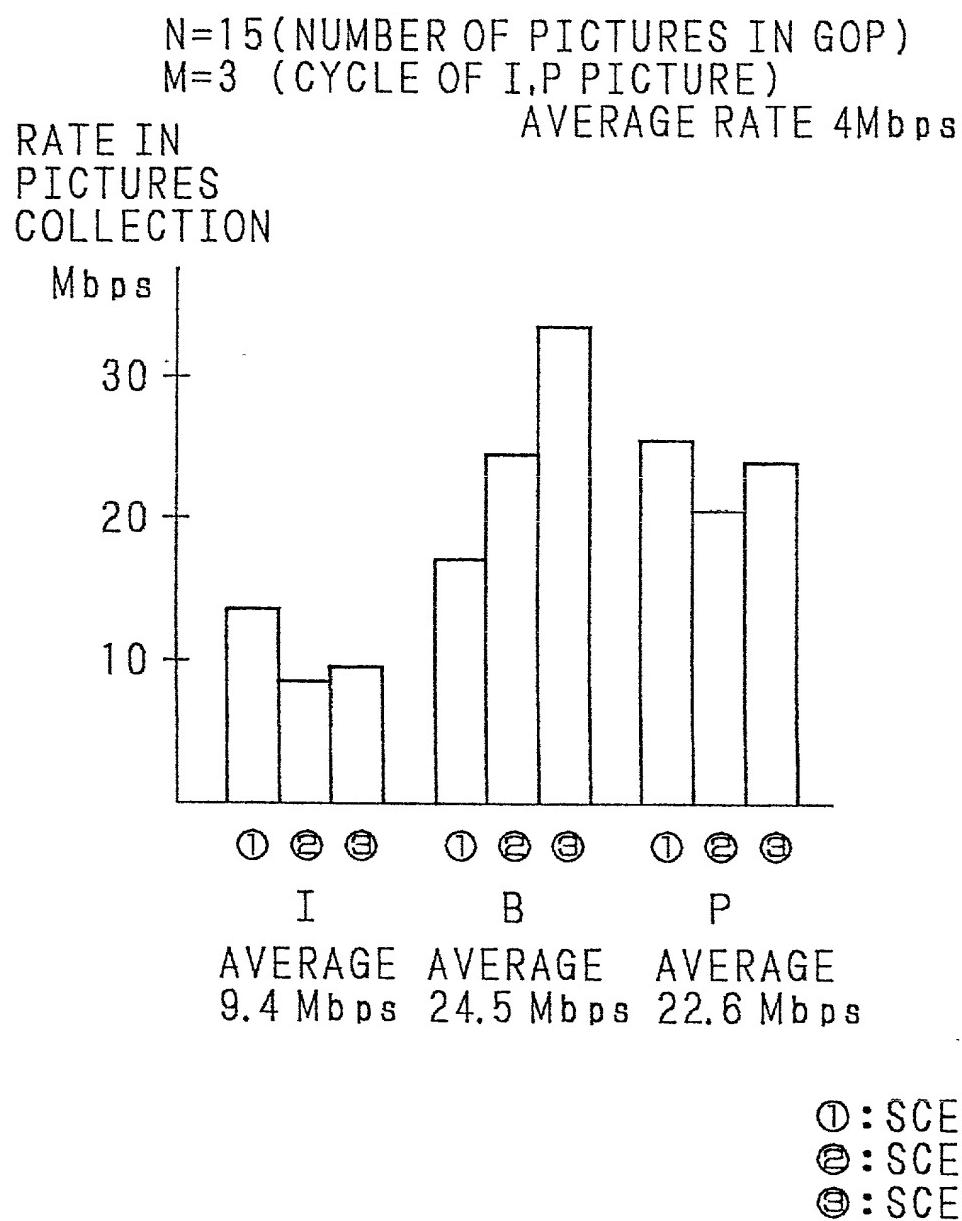


FIG. 70

ORIGINAL IMAGE [BO] SEQUENCE a
ENCODE DATA

B0	B1	I2	B3	B4	P5	B6	B7	P8	B9	B10	P11	B12	B13	P14	B15
----	----	----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----

SEQUENCE a
ENCODE DAT

**SEQUENCE b
ENCODE DATA**

I	I	P	P	P	P	P	P	P	P	P	P	P	P	P
2	B0	B1	P5	P5	B3	B4	P8	B6	B7	P11	B9	B10	P14	B12
	H	L	H	L	H	L	H	L	H	L	H	L	H	L
I	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2	5	8	11	14	2	5	8	11	4	BO	B1	B3	B4	B6
	L	L	L	L	H	L	H	L	H					
I	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2	5	8	11	14	2	5	8	11	4	BO	B1	B3	B4	B6
	L	L	L	L	H	L	H	L	H					

AFTER DATA
RECONSTRUCTION

Score Area											
I			II			III			IV		
B1	B0	B1	B1	B0	B1	B3	B4	B5	P C	P C	P C
I	P	P	I	P	P	P	P	P	P C	P C	P C
II	P	P	I	P	P	P	P	P	P C	P C	P C
III	P	P	I	P	P	P	P	P	P C	P C	P C
IV	P	P	I	P	P	P	P	P	P C	P C	P C

SEQUENCE C ENCODE DATA

Score Area											
I	P	P	P	I	P	P	P	P	P	P	P
II	2	5	8	11	4	2	5	8	11	4	14
III	C	C	C	C	C	A	A	A	A	A	A
IV	B0	B1	B3	B4	B6	B6	B7	B9	B9	B10	B12

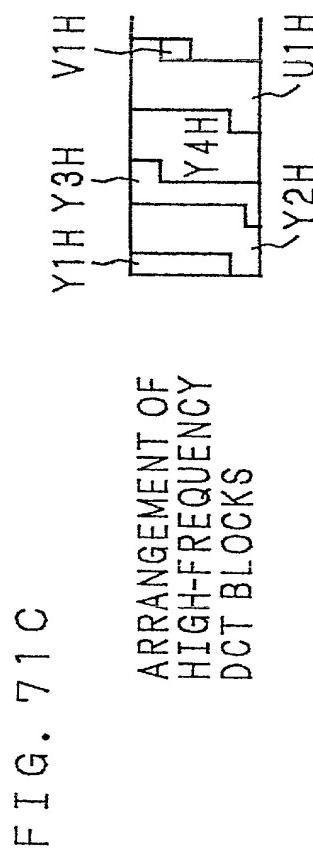
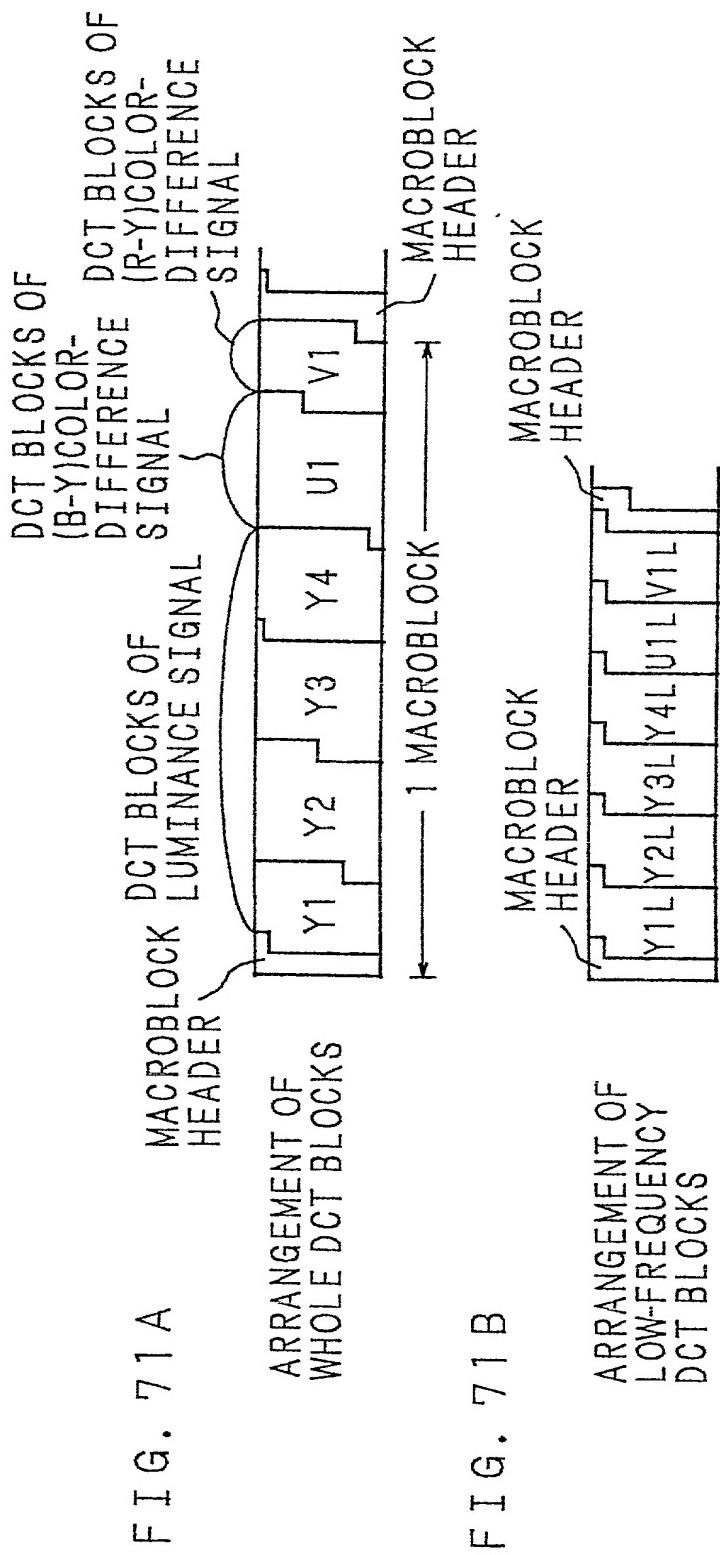


FIG. 71 D

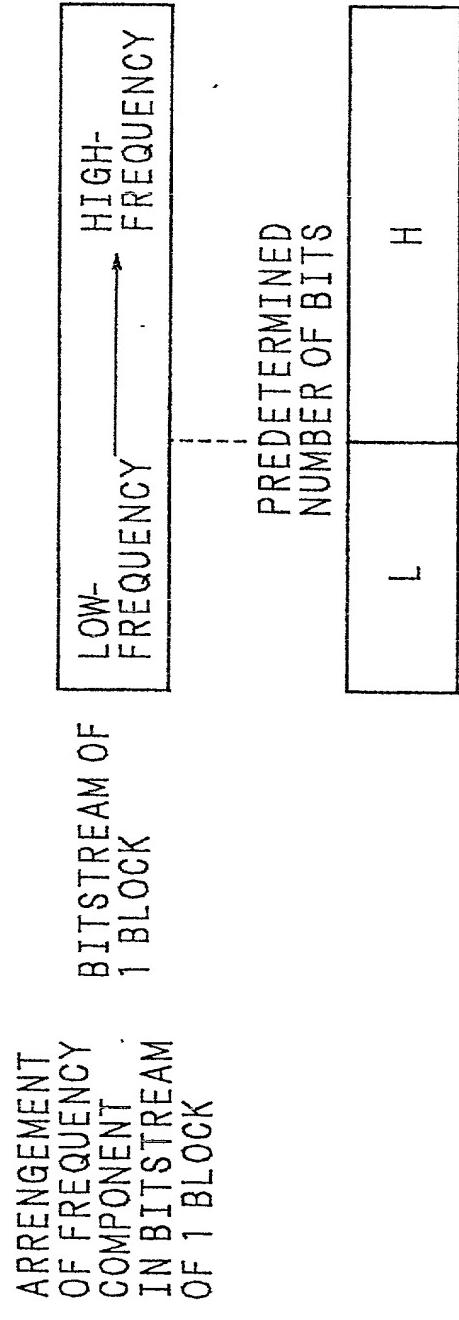


FIG. 72A

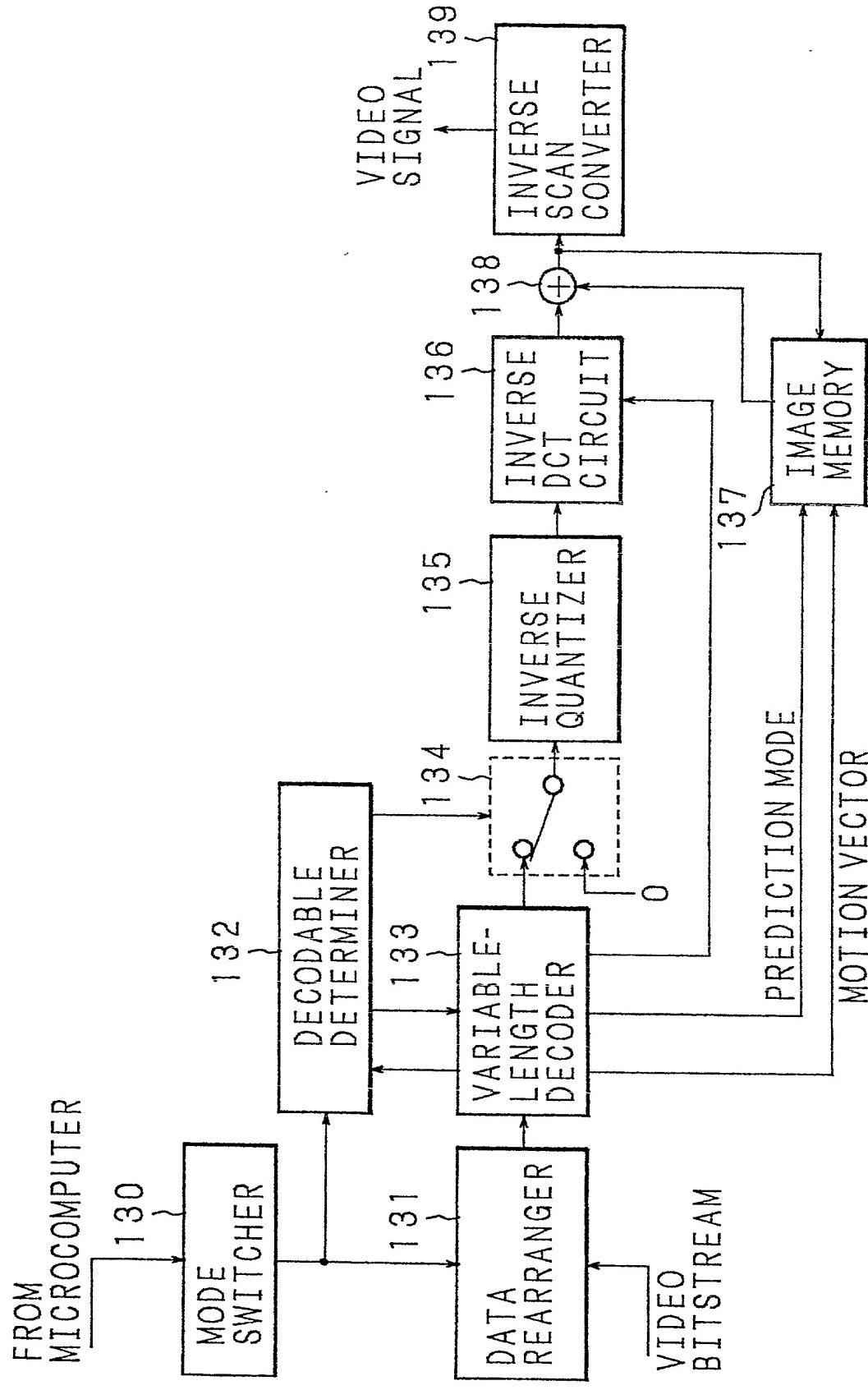


FIG. 72B

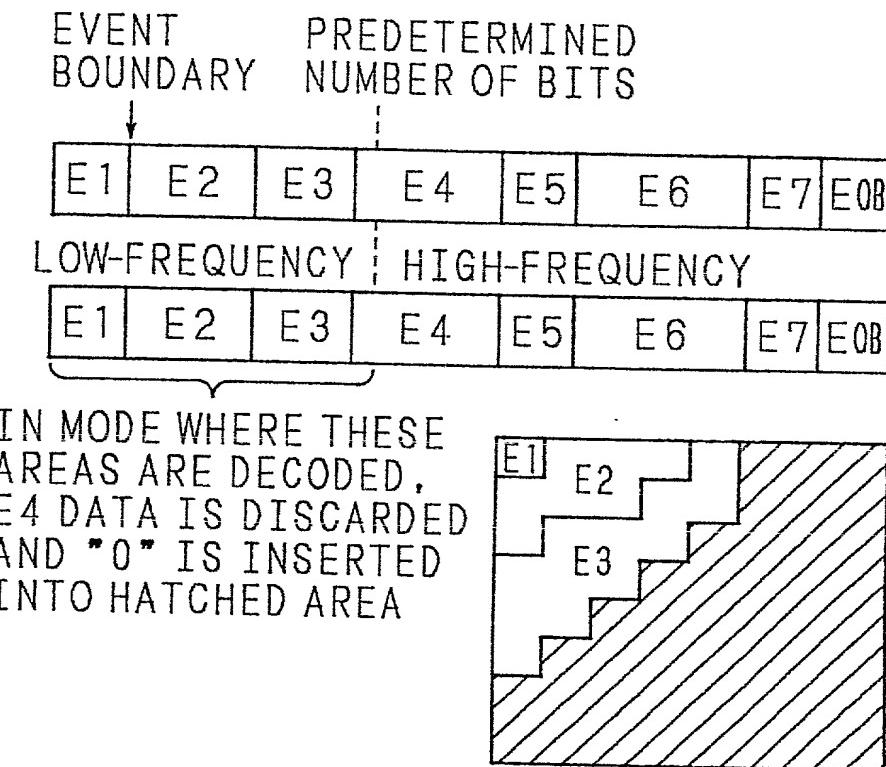


FIG. 73A

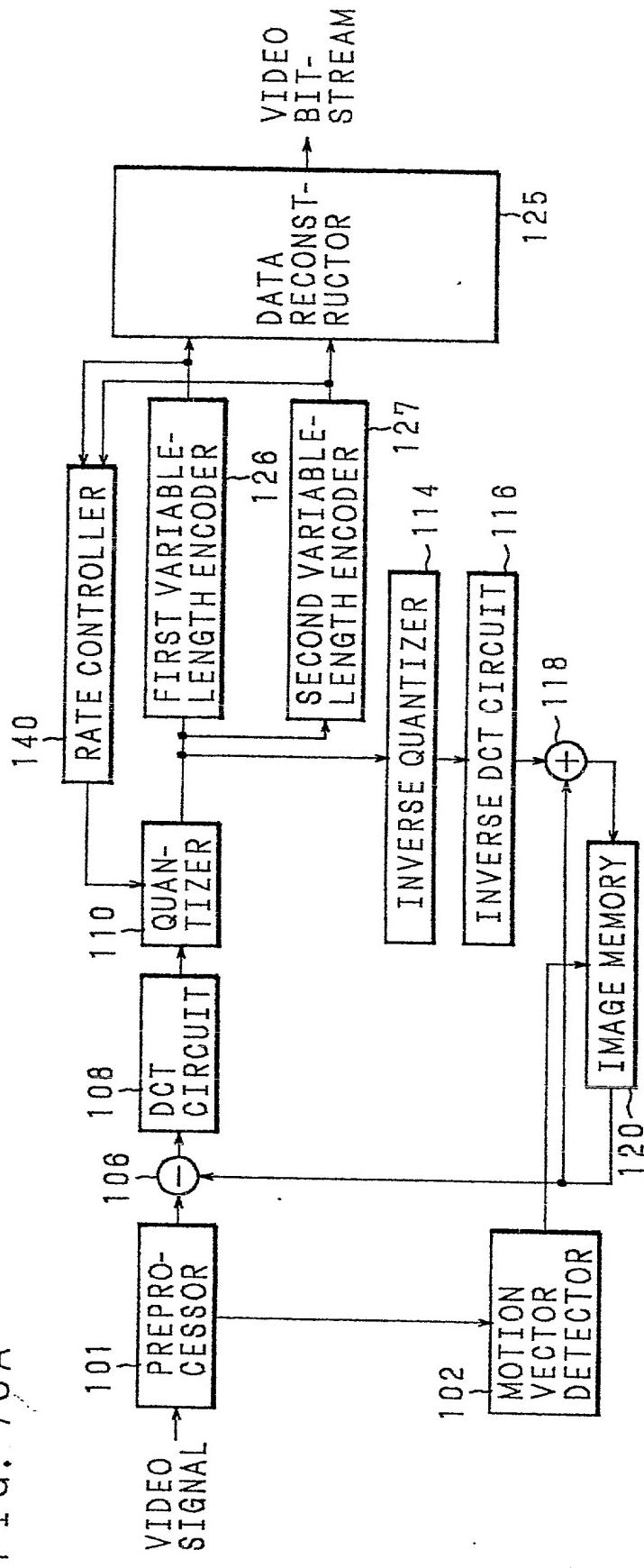


FIG. 73B

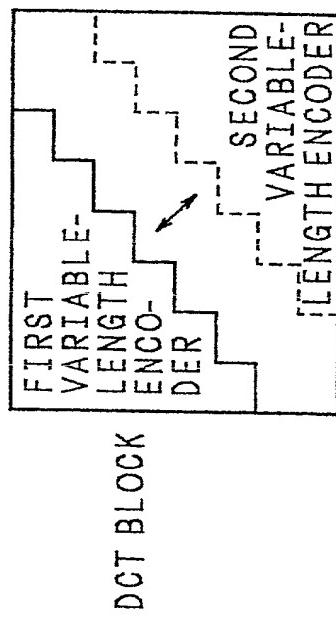


FIG. 74

FROM
MICROCOMPUTER

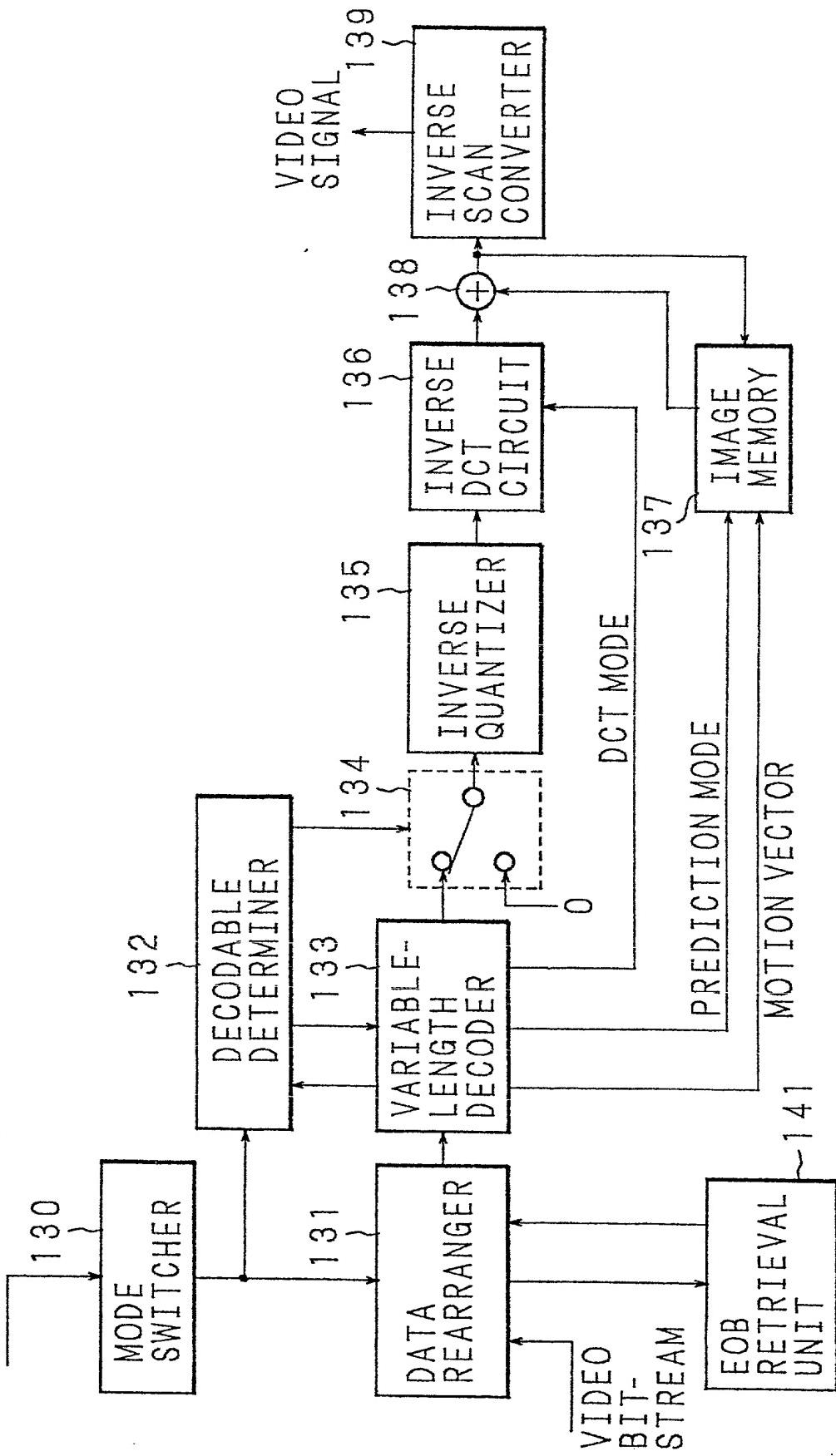


FIG. 75

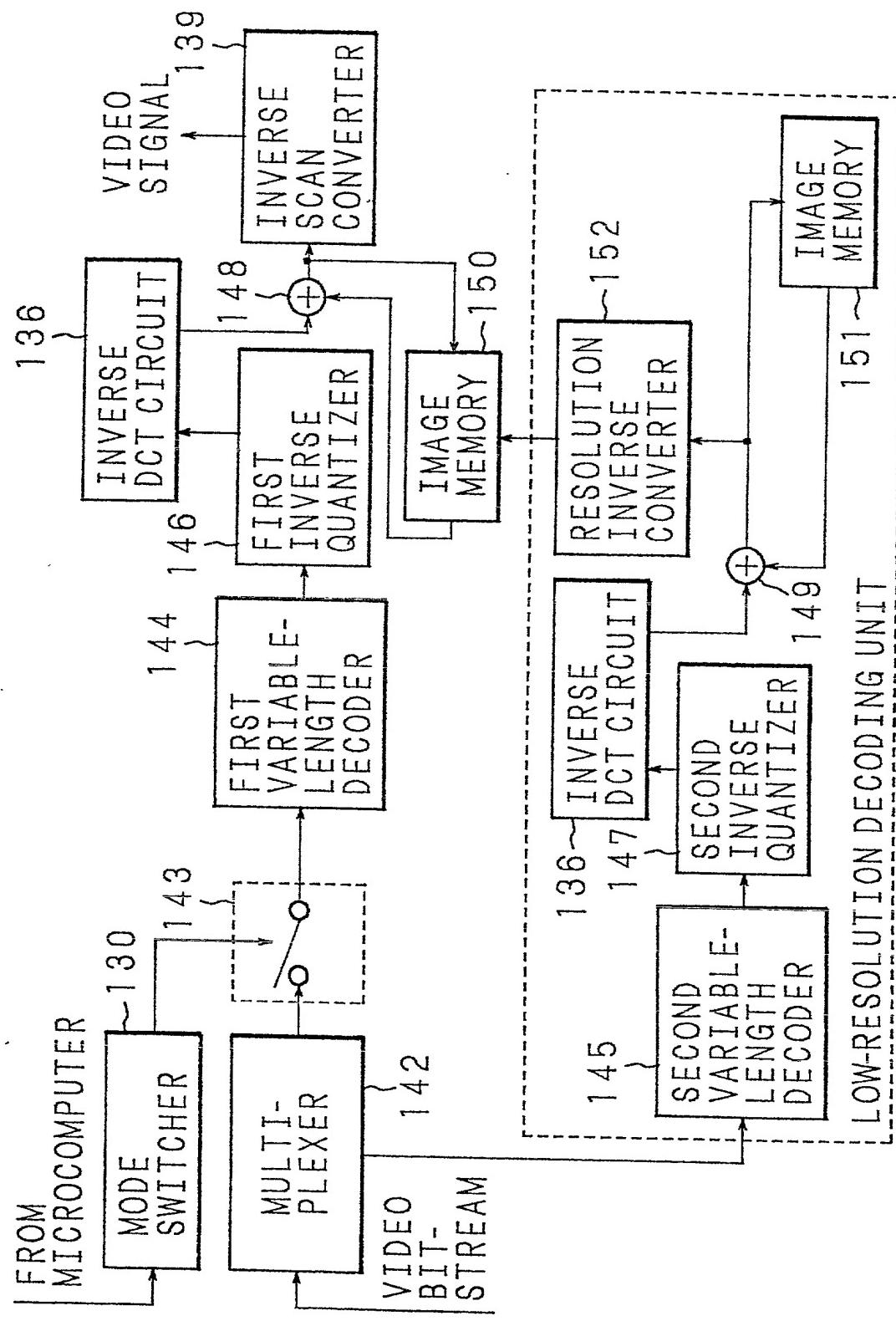


FIG. 76

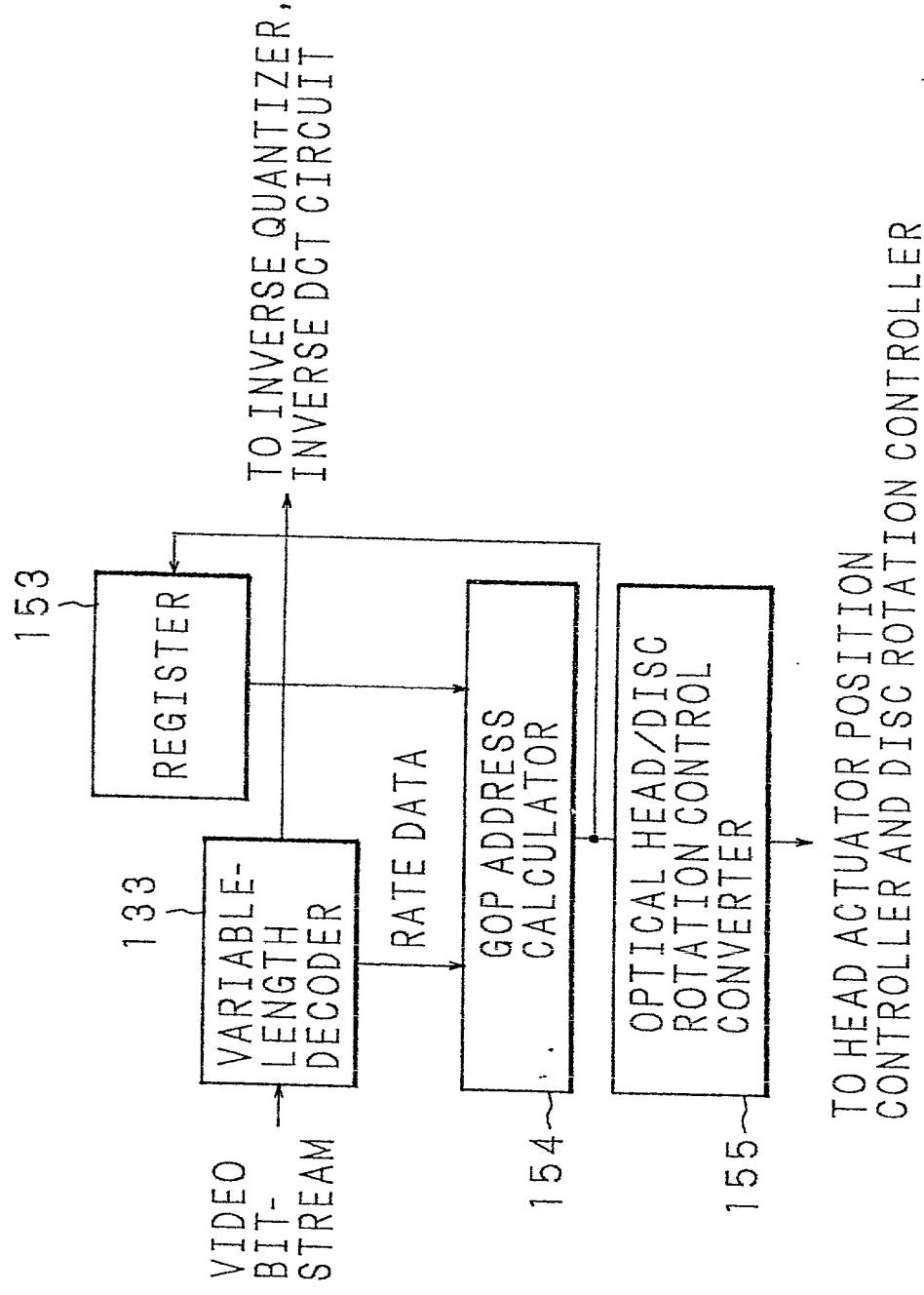


FIG. 77

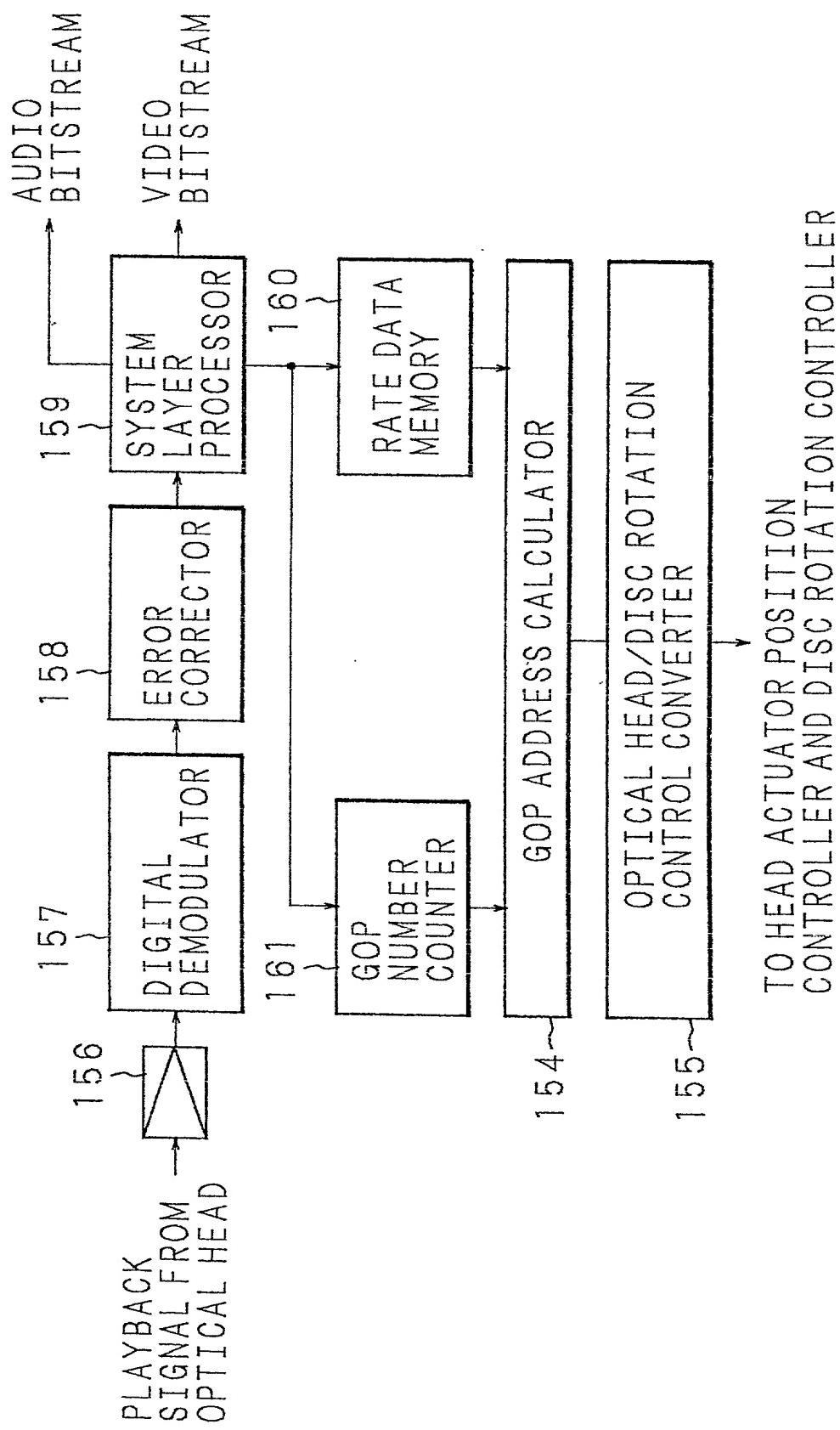


FIG. 78

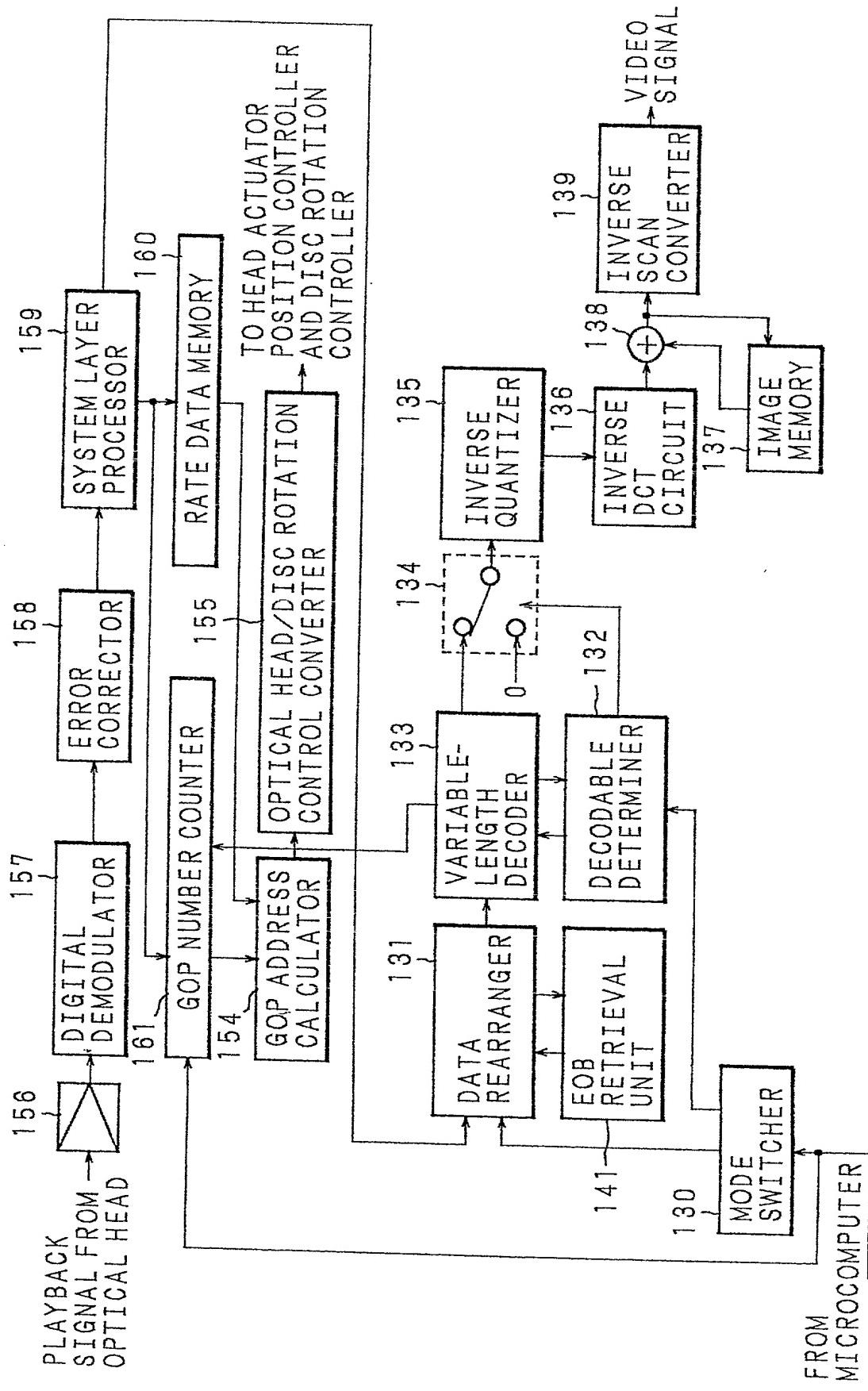


FIG. 79

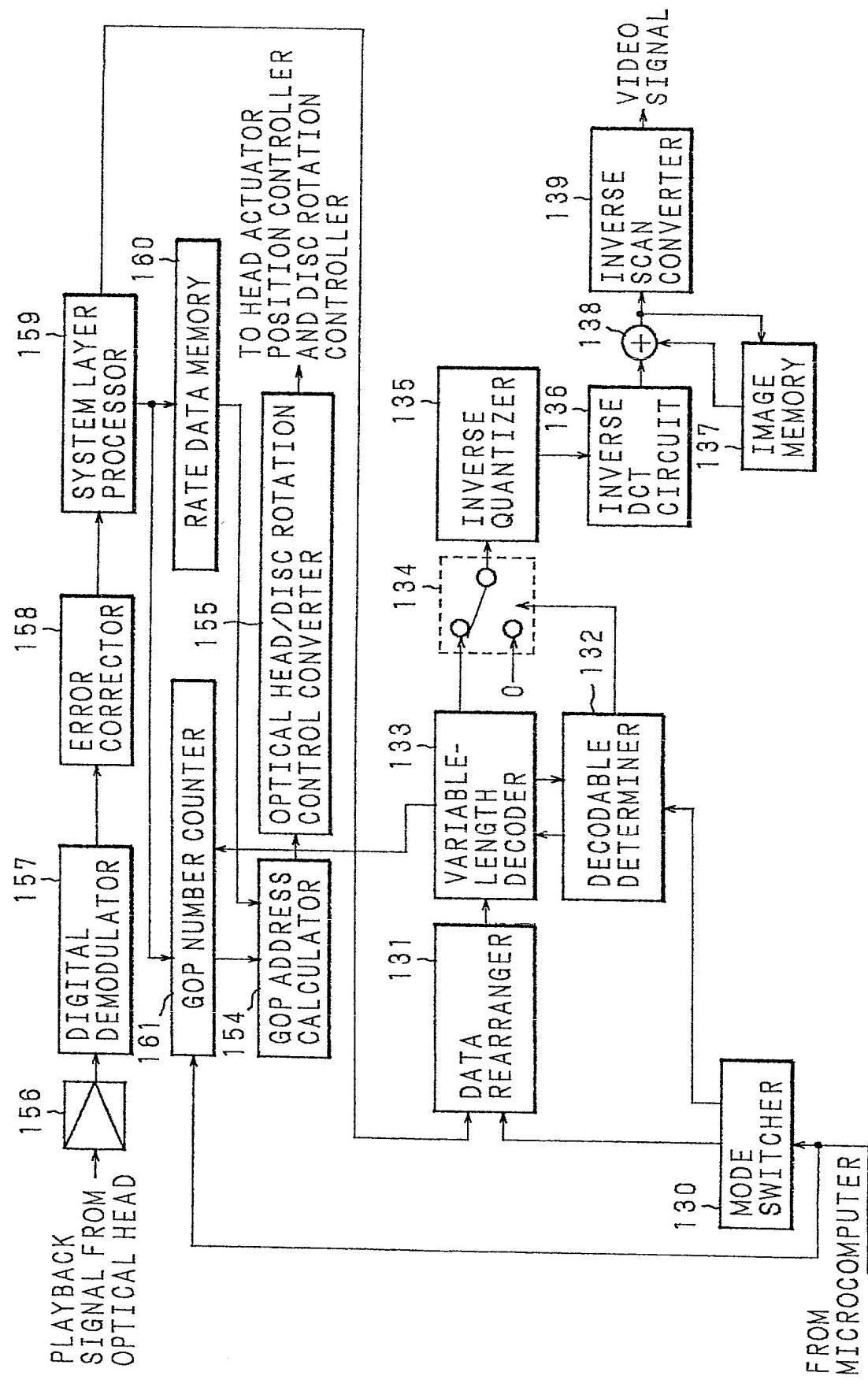


FIG. 80

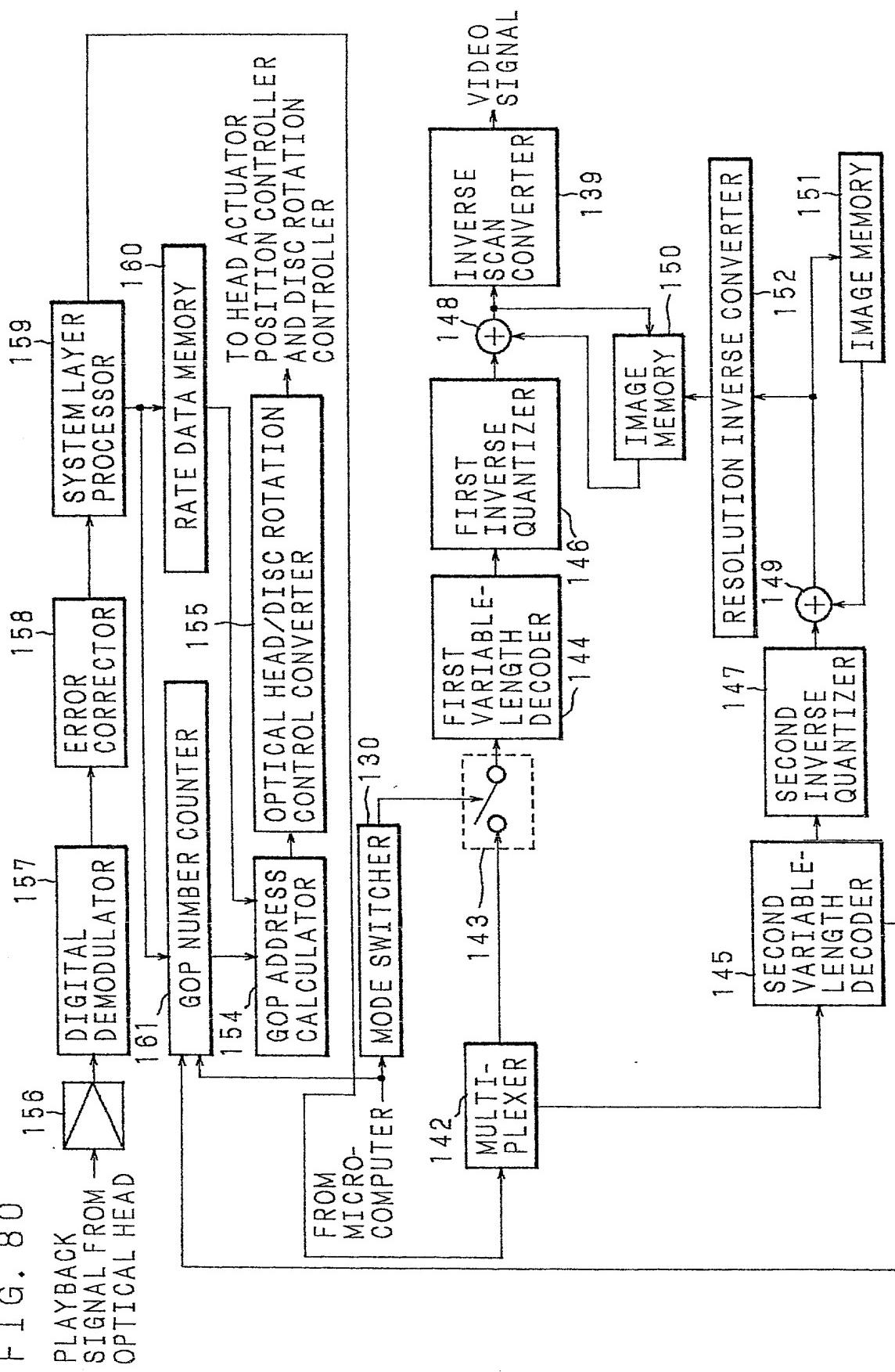


FIG. 81

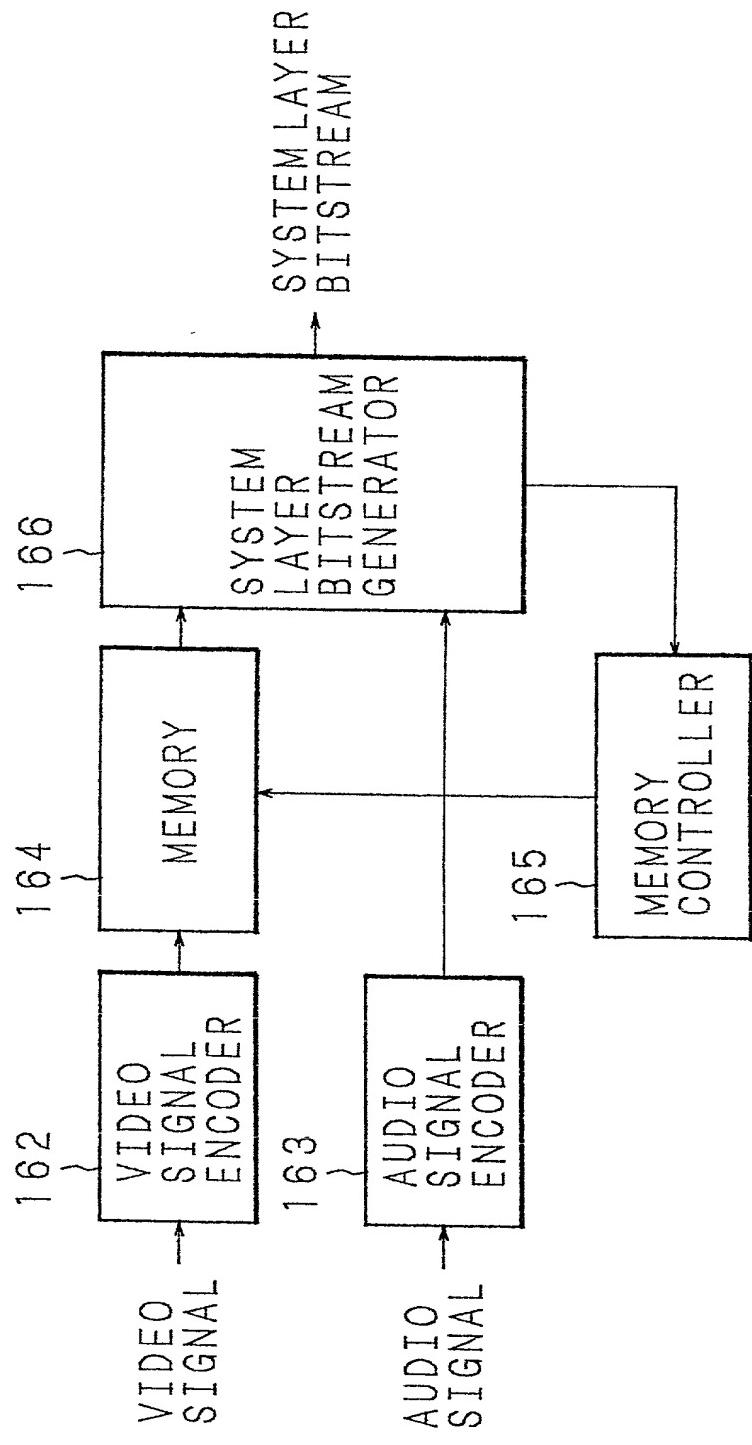


FIG. 82

FIGURE 82 - SYSTEM BLOCK DIAGRAM

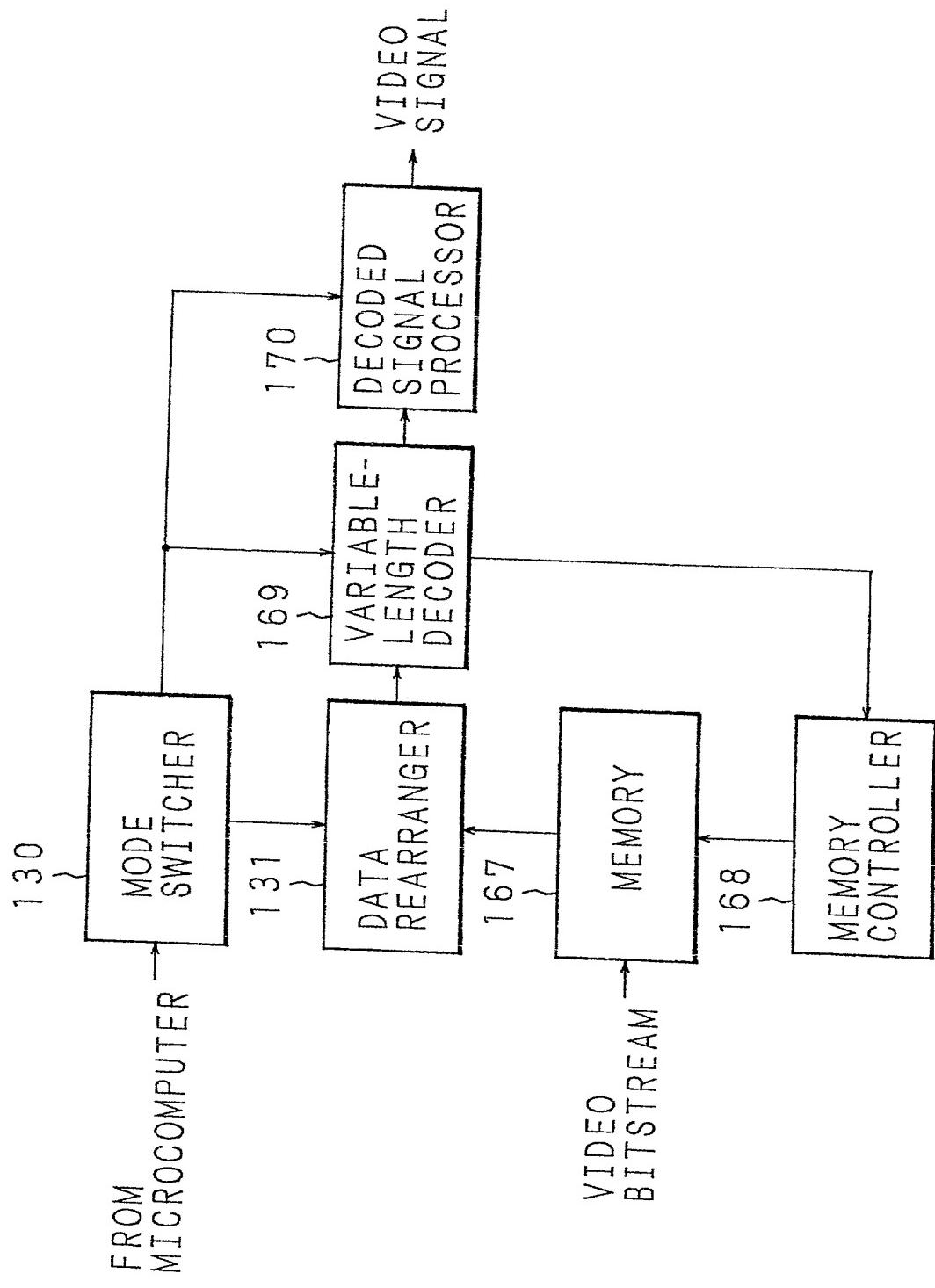


FIG. 83A

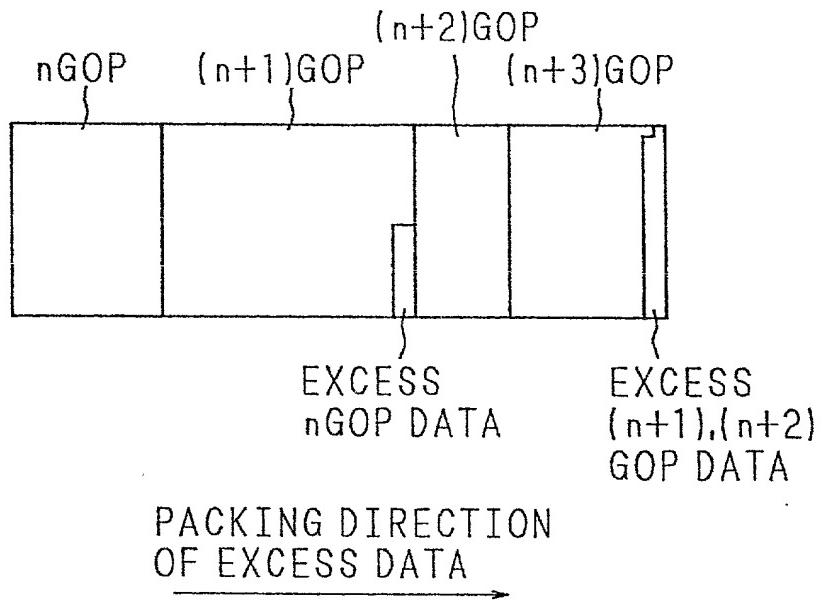


FIG. 83B

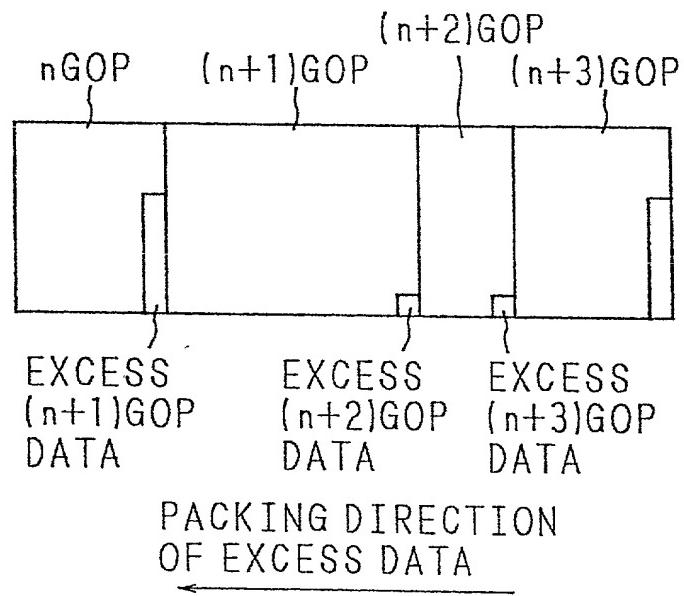


FIG. 84

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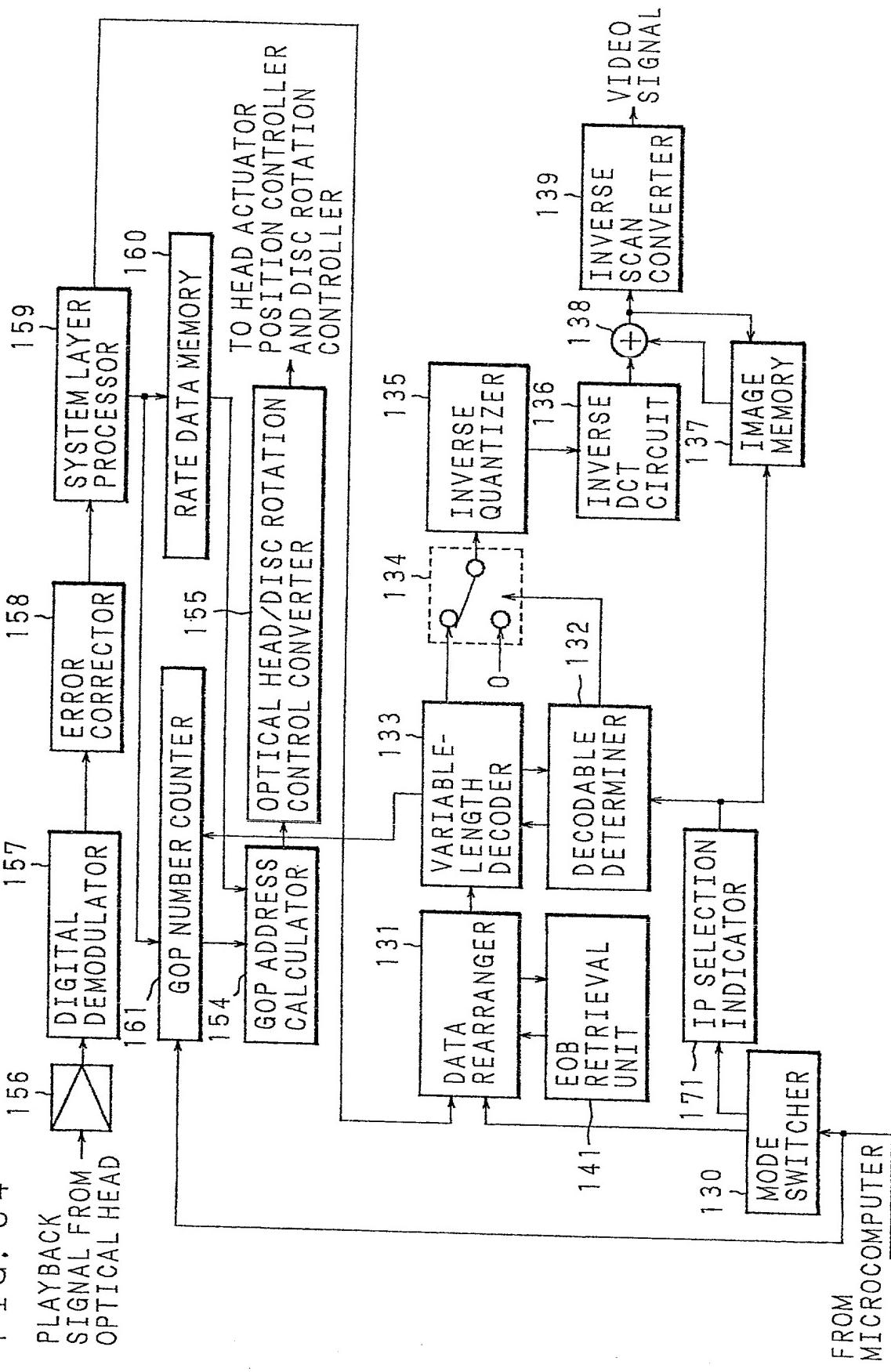


FIG. 85

PLAYBACK
SIGNAL FR
OPTICAL H

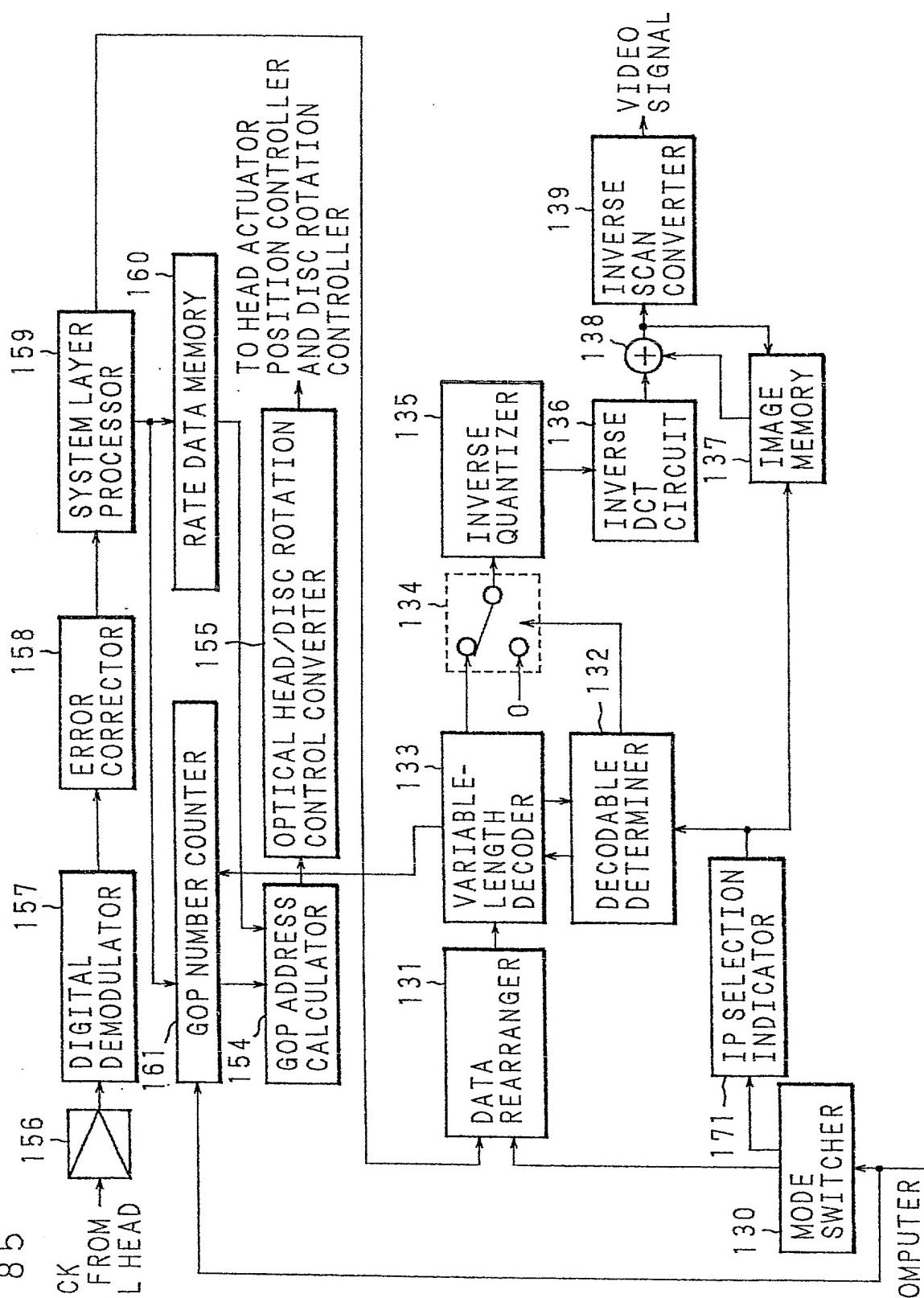


FIG. 86

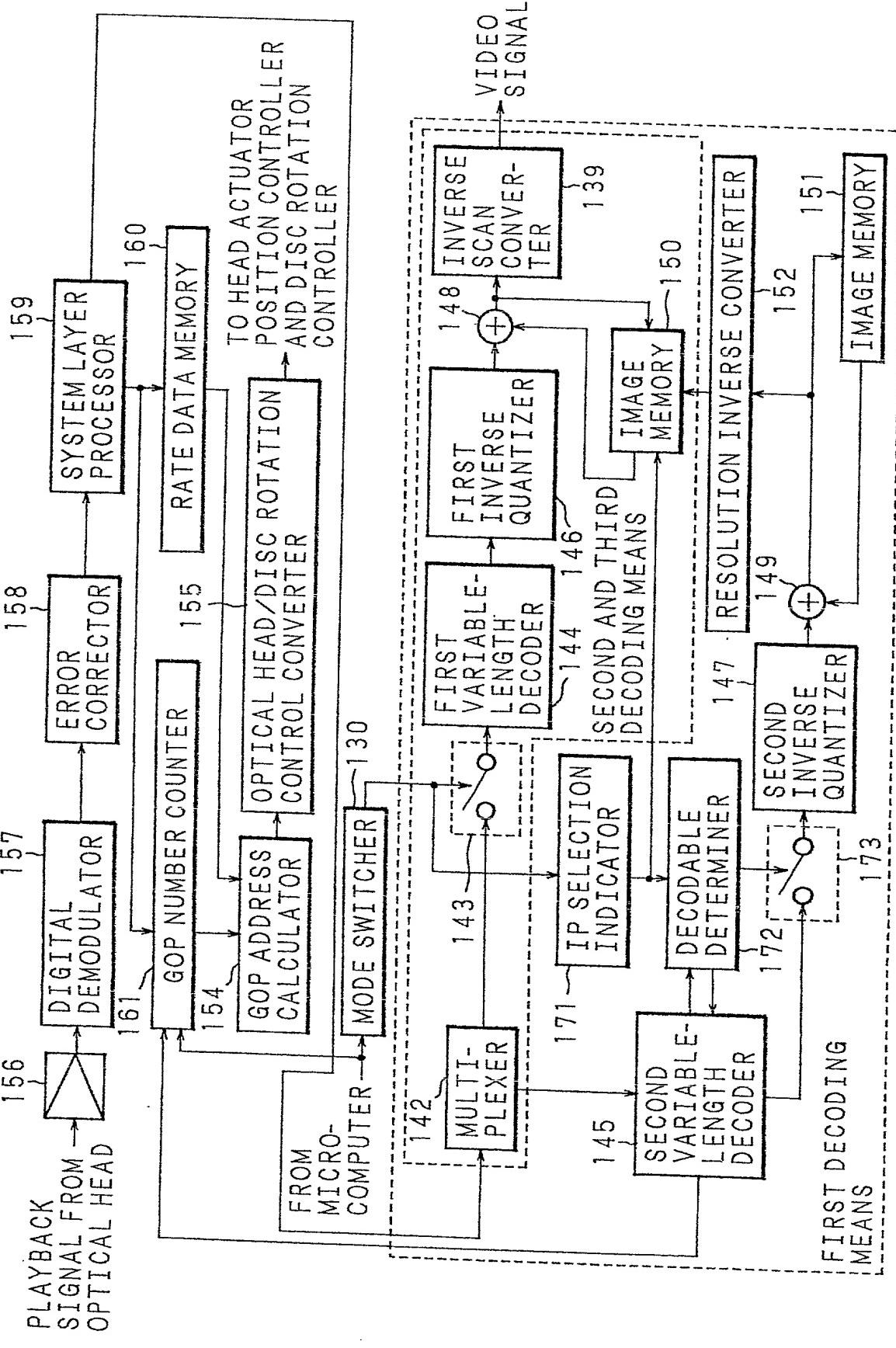


FIG. 87

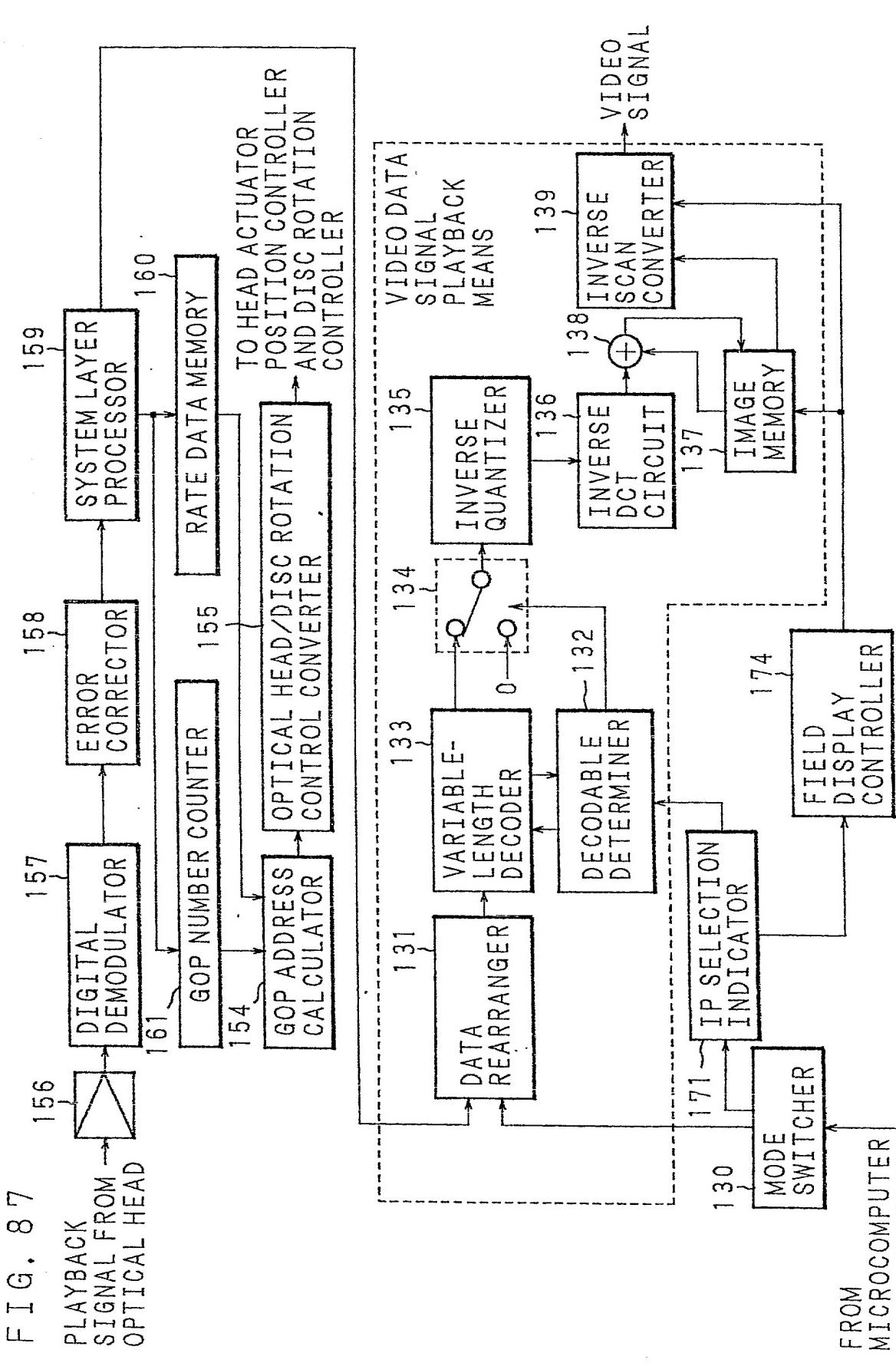


FIG. 88

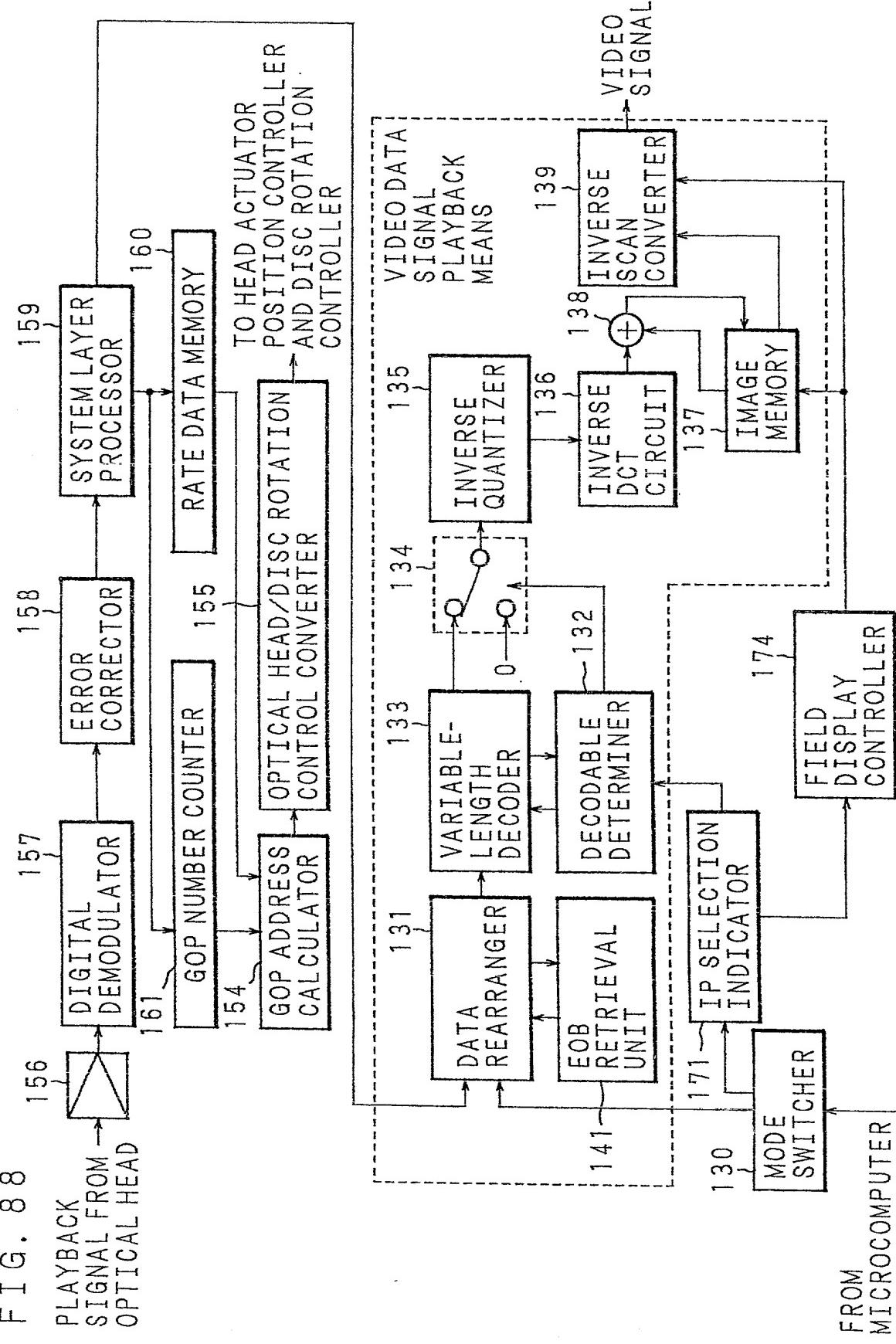


FIG. 89A

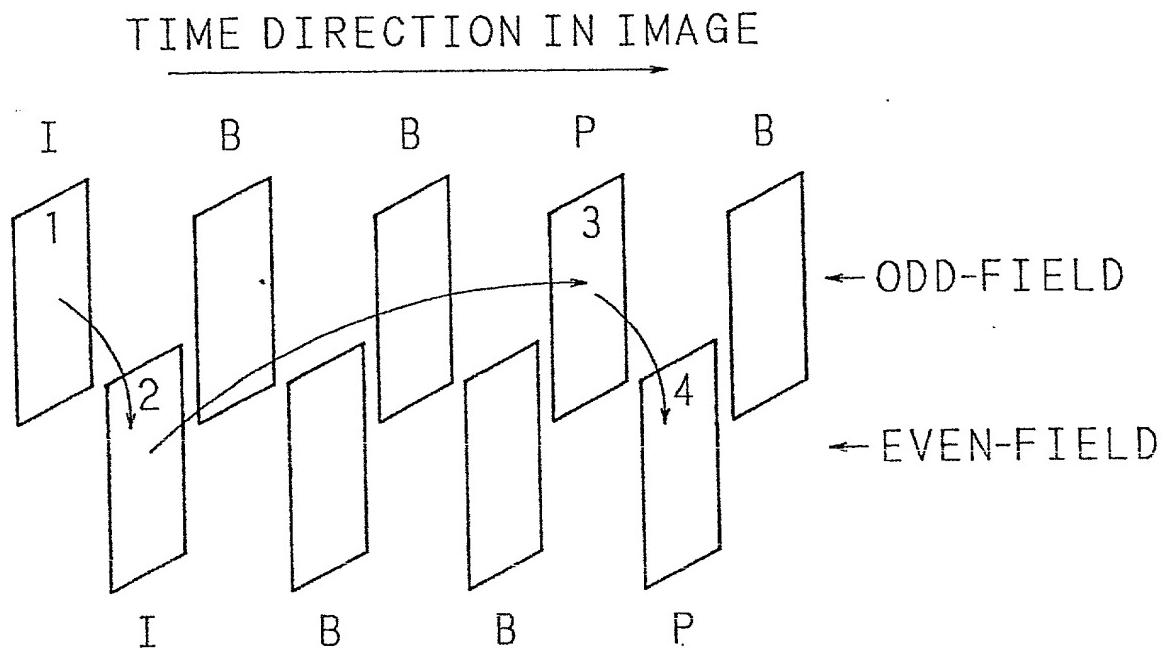


FIG. 89B

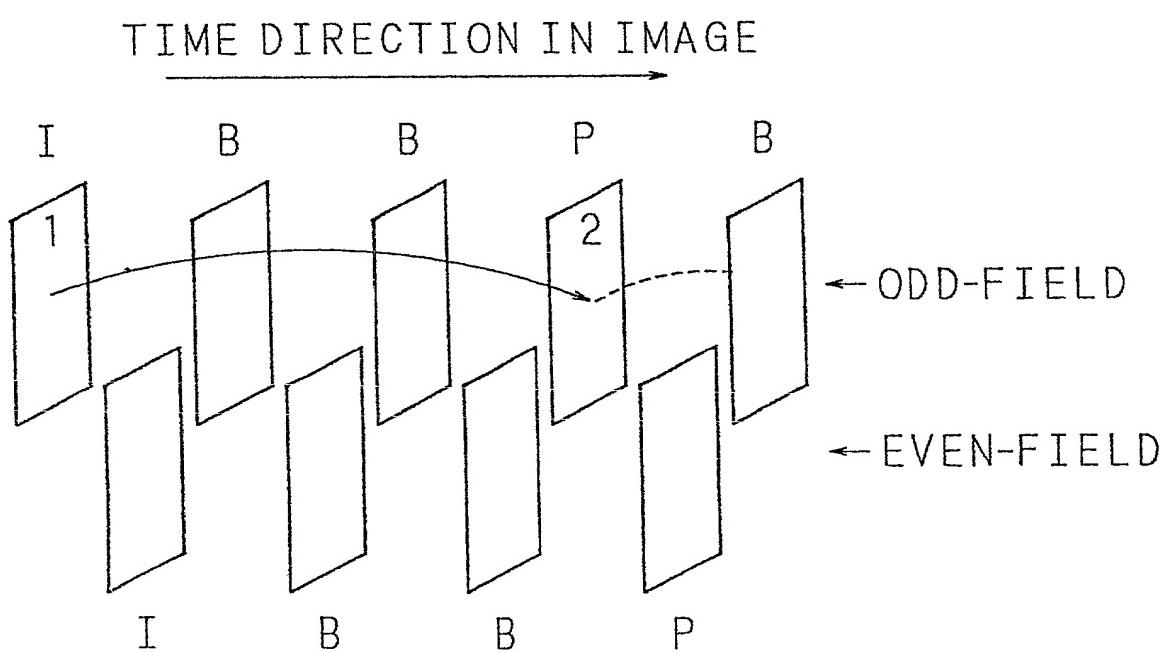


FIG. 90A

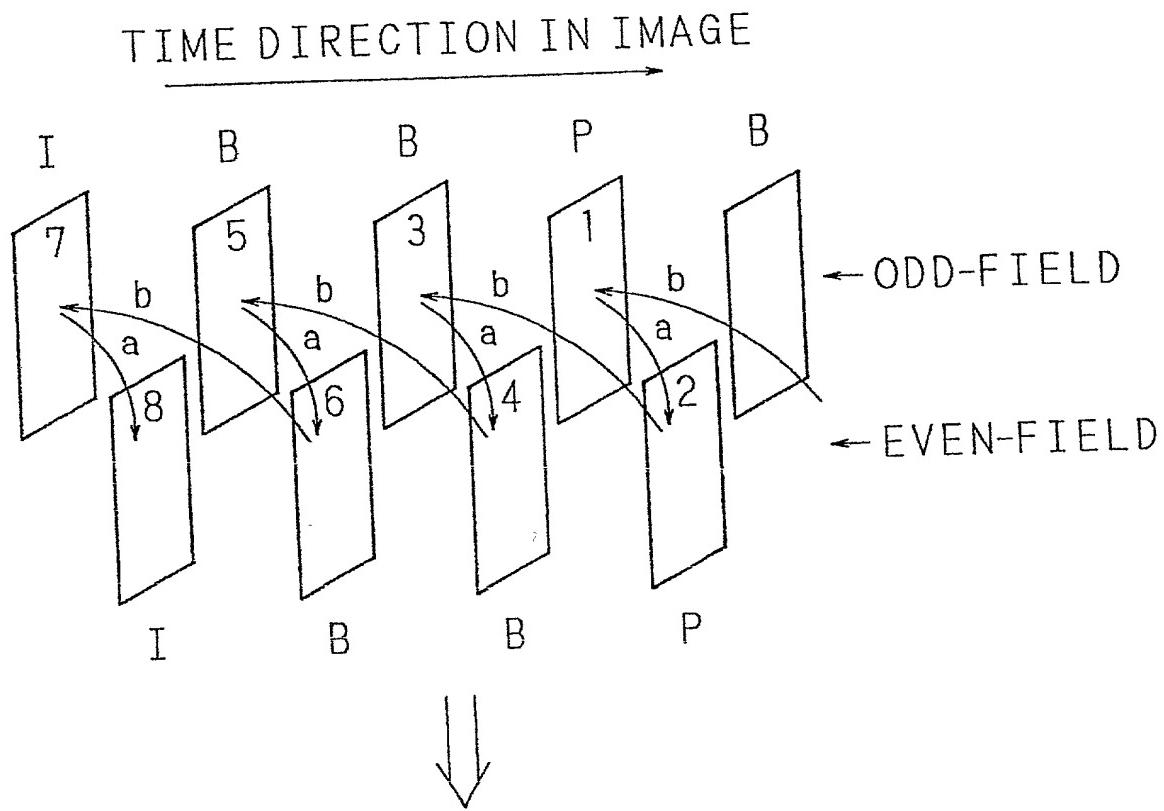


FIG. 90B

